Value Place Cleveland Ohio Submittal Data

Heating & Air Conditioning

Amana®

Packaged Terminal Air Conditioners and Heat Pumps

with our DigiSmart® Control Board & EMS

DigiSmart PTAC Specifications and Accessories Catalog

American PRIDE
Proudly Assembled in Texas and Tennessee

5 YEAR PARTS LIMITED WARRANTY*

1 YEAR UNIT LIMITED WARRANTY*

First-Year Warranty: Parts & Labor on entire unit
Second through Fifth Year: Parts & Labor on certain sealed system components
Second through Fifth Year: on certain functional parts only
* Complete warranty details available at www.amana-ptac.com.

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Standard Features

- **Energy Efficiencies:** With EERs up to 11.7 and COPs up to 3.4, our unit's high efficiencies may qualify you for many of the rebates offered by electrical power companies.
- **Quiet Operation:** Our PTAC has been redesigned to be the quietest PTAC we've ever built. The unit's state-of-the-art design and construction provide a quiet environment, allowing guests to enjoy peaceful, sleep-filled nights.
  - Two fan motors (indoor/outdoor)
  - Indoor tangential fan for quiet operation
  - STC of 28
- **Assembled in the USA for 30 years:** assembled at our plant in Fayetteville, TN, using Goodman resources including engineering, production, and testing.
- **Increased Dehumidification Capacity:** Maintain lower humidity levels in rooms while cooling them without the need for expensive add-ons. As a result, guests feel more comfortable at higher temperatures, thus reducing cooling costs.
- **7-Button Touch Pad:** Provides complete control to guests for in-room comfort while maintaing energy efficiency.
- **5-Year Limited Warranty:** Enjoy one of the most comprehensive warranties in the industry: 1st Year: parts & labor; 2nd through 5th year: parts & labor on certain sealed system components; 2nd through 5th year: on certain functional parts only. For complete warranty details, visit www.amana-ptac.com.
- **100% Run Tested:** All units are 100% run tested at our plant in Fayetteville, TN, including leak checks during manufacturing and again prior to shipment at the warehouse.
- **7⅝" Unit Front Depth:** Enhance valuable room space with our slim unit front, which has a sleek 7⅝" depth, one of the shallowest silhouettes in the industry today. In addition, to inhibit guest-tampering, the front can be secured to the chassis with a hidden screw.
- **Removable Condenser Shroud:** Allows easy access to enable regular cleaning of coils, which is essential to maintain unit efficiency and protect the compressor for long unit life.
- **Easy Pull-Out Filters:** Our filters are washable and easy to maintain.
- **Filter Dryer for Sealed System Refrigerant:** Standard in all units to protect the compressor and lengthen the life of the unit by removing moisture and preventing acid formation.

DigiStat Control Board

Standard Features (cont.)

- **Condensate Dispersion System:** Our condensate dispersion system removes condensate from indoor cooling operation by throwing water directly on to the outdoor coil for rapid evaporation and increased cooling efficiencies. The slinger ring on the new, enhanced fan draws water up and into the fan blades. This water is then atomized and evaporated into the atmosphere through the condenser. Increased surface area from the coil allows more water to be evaporated on the sides of the coils and helps to minimize condensate run-off.
- **Front Desk Control:** Each unit comes equipped with the DigiSmart™ control and energy management software. With Digi-Smart™ using the optional RF antennae, all units can be wirelessly connected to a central hub for enhanced energy savings and diagnostics. Amana brand PTACs also have a low-voltage interface capability with a field-supplied front-desk ON/OFF switch. (See Page 4.)
- **Room Freeze Protection:** When the unit senses temperatures of 40°F or below, the unit activates the fan motor and either the electric resistance heater or the hydronic heater.
- **Easy-to-use Controls:** No complex controls to confuse your guests and create phone calls for your manager. Controls are easy to read, understand, and activate. Our new 7-button control panel provided guests with complete control of the unit for their in-room comfort while maintaining overall energy efficiency.
- **Easy to Service with On-Board LED Diagnostics:** The main components are easily serviced and there is no guessing to determine the problem with our easy-to-read diagnostics.
- **Stonewood Room Front:** Our Stonewood room front strikes the balance between attractive styling and practical design. Distinctive contours and a modern appearance enhance the character of even the most luxurious room, while the sleek 7⅝" depth maximizes usable space for your guests.
- **Remote Thermostat Control:** When the DigiSmart™ wireless remote thermostat is set up, both the remote thermostat and unit control panel continue to control the unit, providing flexibility and home-like system control. Installation requires no more than pressing two buttons. No need to run wires or make electrical connections.
- **Remote Temperature Sensing:** Guests enjoy ultimate comfort with consistent climate control. When the field-installed thermistor (RTS03) is used, the unit-mounted thermostat is overridden to allow more accurate, internal wall-sensing of room ambient temperature.
- **Extended Heat Pump Heating:** Heat pump models will operate in the heating mode down to as low as 24°F outdoor ambient temperature.
- **Zero Floor Clearance:** The unit can be installed flush to a finished floor, if desired. (Some accessories do not have zero clearance).
- **30-Second Fan-Off Delay:** The fan continues to run 30 seconds after the compressor has stopped in either cooling or heat pump mode and after electric heat has been turned off. This improves efficiency by dispersing the conditioned air on the coils into the room.
- **Compressor Lock-In:** This feature helps prolong the life of the compressor by preventing short-cycling. When the compres-sor is switched from Off to On because room temperature has risen or fallen below the specified limit, it will remain on for at least 4 minutes. If the temperature set-point is changed during this 4 minutes, the lock-in feature is overridden.
- **Automatic Emergency Heat:** No more "my unit is not heating" complaints during the middle of the night. Heat pump units will automatically switch over to electric resistance heat if the heat pump compressor system fails or if the heating load is greater than the unit capacity.
- **Constant Fan Mode:** Take advantage of each unit's dual options — select continuous fan operation or cycle the fan ON and OFF with the thermostat. Our new 7-button design allows guests to select fan performance while allowing the owner to have the unit revert to the desired program of continuous fan or cycle with conditioning.
- **Hidden Ventilation Control:** The ventilation control lever is hidden from the occupant's view to allow you to manage ventilation requirements.
- **High-Pressure Switch:** Protects the unit from high pressure and damage to the unit, helping to ensure long unit life.

DigiSmart brings together our best PTAC ever with our best Energy Management Software and now integration with Property Management and Front Desk Management Software. Reduce PTAC energy consumption by 35% OR MORE* through the power of the in-unit Energy Management System, programmable temperature set-back and limits combined. Reduce PTAC maintenance cost through our automated maintenance notification system. Improved maintenance sustains energy efficiency (EER) and prolongs PTAC life, keeping equipment running at its designed efficiency level and room guests more comfortable.

The Amana Brand DigiSmart Solution

In-Room: "Self-Installable" Wireless Peripherals

The DigiSmart Occupancy Sensor completes the in-room equipment. This infrared sensor can determine if the room is occupied or empty and when empty, signal the PTAC to adjust the temperature to save energy based on programmable setbacks.

The DigiSmart Wireless Remote Thermostat can mount on the wall anywhere in the guest room. Battery powered and with its own wireless ability to communicate with the PTAC to maintain room temperature. Best of all, no wires to run. The PTAC and Thermostat connect at the press of a button and are permanently linked. The thermostat and PTAC work in-sync to display accurate temperature.

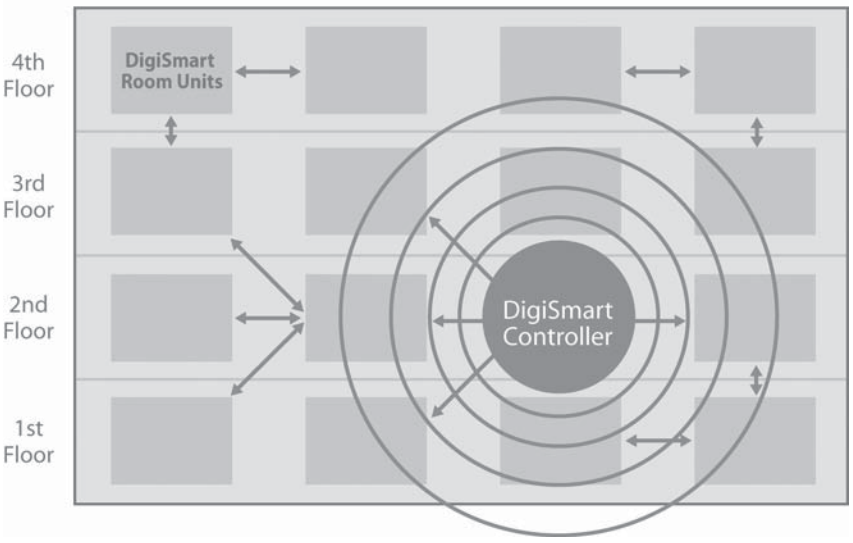
The DigiSmart Wireless Antenna installs inside the PTAC with a snap-in connector. Installing the antenna allows the PTAC to communicate wirelessly with other devices in the room and to the DigiSmart network.

> 45,000+ rooms have had wireless installations since 2005
> Total wireless devices deployed to date – 120,000+

The Amana brand DigiSmart PTAC with antenna, combined with the self-installable, wireless Thermostat and Occupancy Sensor give the property owner complete control over the equipment settings and can reduce PTAC energy usage by 35% OR MORE.*

Site-Level — Central Wireless Controller

> Site-wide PTAC Configuration
> Site-wide PTAC Diagnostics
> Front Desk System Interface
> Email Reporting
> Internet Accessible Web User Interface Enterprise

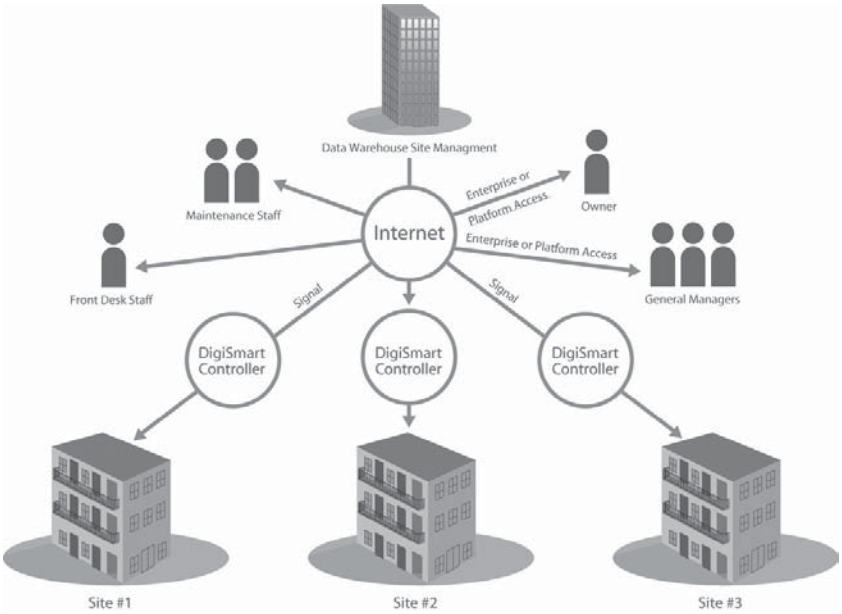


* These savings represent estimated savings over time as compared to the same PTAC model without the DigiSmart EMS System installed and were generated using general assumptions including energy loads, local weather averages and use of occupancy controls. Actual savings will vary according to actual use habits, room square footage, and how the unit is installed.

Enterprise — Multiple Wireless Controllers

Central Monitoring and Control of Multiple Properties

> Data Warehousing
> Savings Analysis
> Email Reporting
> Virtual Metering
> Load Shedding



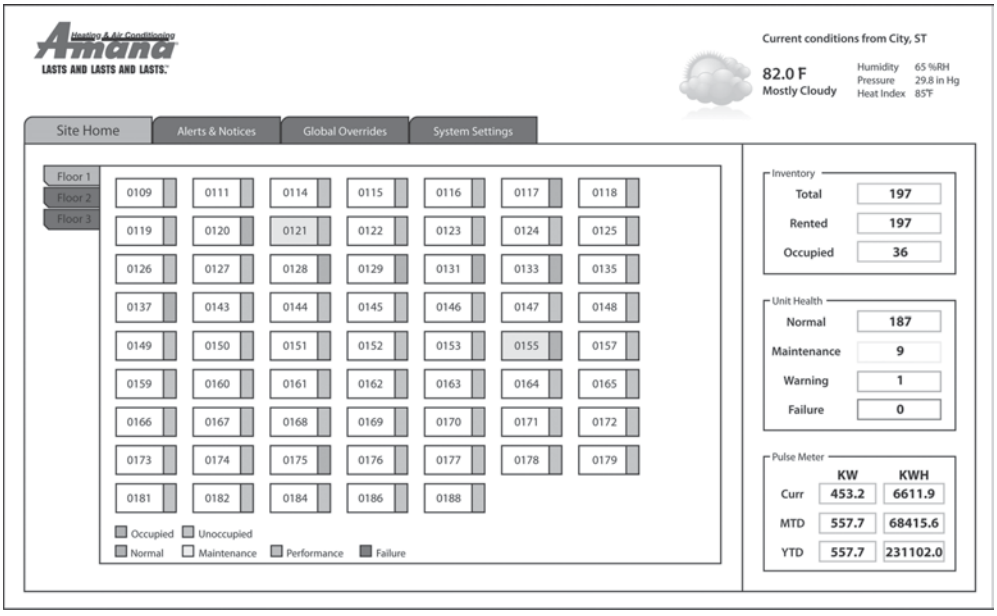
Web-Based, Real-Time Monitoring

Amana® Brand DigiSmart™ Controller:

All of the PTACs in the building can be managed through a single interface on a PC.

FEATURES INCLUDE: Full unit details for every PTAC, visible from the front desk or home office, automatic emails for PTAC maintenance, ability to change all settings on the unit, and enhanced diagnostics. Monitor up to 170 PTACs, WIRELESSLY, with one controller. Additional controllers can expand the network for additional rooms/properties.

> System Verification
> Global Setbacks
> EMS Configuration
> Site Statistics
> Battery Notices
> Email Reporting
> Unit Health
> Unit Code Alerts



Temp Limiting – Each PTAC can be configured with a heating and cooling temperature set-point limit.

Setbacks – Once a room is declared unoccupied by the occupancy sensor, the PTAC progresses through three different temperature setbacks, configured as three degree and time pairs (An example configuration is listed below).

1st: 2°, 30 mins – Setback the temp 2 degrees after 30 minutes

2nd: 4°, 1 hr – Setback the temp 2 more degrees after 30 more minutes

3rd: 8°, 3 hrs – Setback the temp 4 more degrees after 2 more hours

Unrented Set-Points – By integrating with your property's Front Desk System, the PTACs will adjust to specific set-points when no longer identified as rented in the system.

Nomenclature

PTC	07	3	E	35	AXXX	AA
1,2,3	4	5	6	7,8,9	10,11,12,13	14

Basic Model Type

PTC	Standard Cooler PTAC
PTH	Standard Heat Pump PTHP
DRY	Dehumid Cooler PTAC

Cooling Capacity

07	7000BTU/h	60 Hz
09	9000 BTU/h	60 Hz
12	12000 BTU/h	60 Hz
15	14000 BTU/h	60 Hz

Rated Voltage

2	115V, 60 Hz, 1 Ph
3	230/208V, 60 Hz, 1 Ph
4	265V, 60 Hz, 1 Ph

Design Series

E	R-410A

Heater Size

00	No Electric Heat	35	3.5 kW (230/208V)
15	1.5 kW		3.7 kW (265V)
25	2.5 kW	50	5.0 kW

Engineering

Major & Minor Revisions

Features Code

A	Standard Model
C	Corrosion Protection (Seacoast)
D	Power Door
E	Future Use
F	Fuse Holder
H	Hydronic
P	Condensate Pump
Q	Quiet STC Kit
R	RF Antenna
V	Power Vent
X	placeholder
W	Hard Wired
Y	High VA Transformer

Use up to 4 as needed in alphabetical order

Examples:

PTC123E50AXXX PTC073E35CDXX

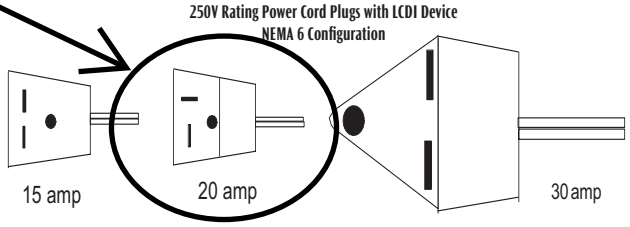
PTC123E50CXXX PTC073E25CDQR

Power Cord Configuration

133 units

Power Cord Plugs

250V Rating Power Cord Plugs with LCDI Device
NEMA 6 Configuration



277V Rating Power Cord Plugs
NEMA 7 Configuration

Power Receptacle Configuration

NEMA6-15R; 250V receptacle, used on 230/208V units

NEMA6-20R; 250V receptacle, used on 230/208V units

NEMA6-30R; 250V receptacle, used on 230/208V units

NEMA7-20R; 277V receptacle, used on 265V units

NEMA7-30R; 277V receptacle, used on 265V units

All units come with factory-installed power cords.
All units less than 250 volts come with LCDI device.

Product Specifications: PTC Models — Cooling/Electric Heat (cont.)

230/208 Volts

125 units

8 units

Model [1, 6, 8, 9]		PTC 073G***XXX	PTC 093G***XXX	PTC 123G***XXX	PTC 153G***XXX
Voltage [1, 3]		230 / 208	230 / 208	230 / 208	230 / 208
Capacity (BTU/h)		7,700 / 7,700	9,000 / 9,000	11,700 / 11,500	15,000 / 14,700
Amps [10]		3.5 / 3.5	4.1 / 4.1	5.6 / 5.6	7.0 / 7.0
Watts [10]		670/660	805/785	1135/1105	1500/1470
EER		11.5/11.7	11.2/11.5	10.3/10.4	10.0/10.0
Unit without Electric Heater					
Min. Circuit Amps [2, 4, 10]		4.2	4.9	6.8	8.5
CFM (Cool/Wet Coil)	High	290	290	290	340
	Low	264	264	264	314
CFM (Dry Coil)	High	310	310	310	360
	Low	282	282	282	332
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*
Ventilated Air, CFM (Compressor & Fan)*		6*	6*	6*	6*
Dehumidification (Pints/Hr.)		1.7	2.2	3.6	4.4
Net Weight (lbs.)		98	102	102	113
Ship Weight (lbs.)		113	117	119	130

265/277 Volts

Model [1, 6, 8,9]		PTC 074G***XXX	PTC 094G***XXX	PTC 124G***XXX	PTC 154G***XXX
Voltage [1, 3]		265	265	265	265
Capacity (BTU/h)		7,700	9,000	12,000	14,800
Amps [10]		3.0	3.6	4.8	6.0
Watts [10]		670	795	1,165	1,480
EER		11.5	11.3	10.3	10.0
Unit without Electric Heater					
Min. Circuit Amps [2, 4, 10]		3.6	4.4	5.9	7.4
CFM (Cool/Wet Coil)	High	290	290	290	340
	Low	264	264	264	314
CFM (Dry Coil)	High	310	310	310	360
	Low	282	282	282	332
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*
Ventilated Air, CFM (Compressor & Fan)*		6*	6*	6*	6*
Dehumidification (Pints/Hr.)		1.7	2.2	3.6	4.4
Net Weight (lbs.)		98	102	102	113
Ship Weight (lbs.)		113	117	119	130

* Actual vent CFM performance will vary due to application and installation conditions.

Notes

1. All 265-volt models must use an Amana® brand sub-base (PTSB4**E) or an Amana® brand hard-wire kit (PTPWHWK4).
2. Minimum Circuit Ampacity (MCA) ratings conform to the National Electric Code; however, local codes should apply. Minimum voltage on 230/208-volt models is 197 volts; maximum is 253 volts.
3. Minimum voltage on 265-volt models is 239 volts; maximum is 292 volts.
4. Overcurrent protection for all units without electric heaters is 15 amps. Overcurrent protection on 265-volt models must be cartridge-style time-delay fuses (included and factory-installed on all Amana® brand 265-volt chassis). See heater performance
5. Heating capacity and efficiency based on unit operation without condensate pump; unit automatically switches to electric heat at approximately 24°F outdoor ambient.
6. Specify two-digit heater kW size to complete model number.
7. R-410A refrigerant used in all systems.
8. All units meet or exceed ASHRAE 90.1 standards.
9. All units less than 250 volts have a Leak Current Detector Interrupter (LCDI) power cord and meet UL 484 standards.
10. Refer to electric heat performance data for total MCA and recommended overcurrent protection. Amps and Watts notation refers to compressor only.

Product Specifications: PTH Models — Cooling/Heat Pump/Electric Heat

230208 Volts

R-410A Refrigerant

Model [1, 6, 8, 9]		PTH 073E**AXXX	PTH 093E**AXXX	PTH 123E**AXXX	PTH 153E**AXXX
Voltage [1, 3]		230 / 208	230 / 208	230 / 208	230 / 208
Capacity (BTU/h)		7,600 / 7,500	9,000 / 8,900	11,500 / 11,100	14,000 / 13,900
Amps [12]		3.5 / 3.5	4.1 / 4.1	5.6 / 5.6	7.0 / 7.0
Watts [12]		650 / 620	770 / 765	1095 / 1065	1460 / 1465
EER		11.3 / 11.4	11.1 / 11.1	10.2 / 10.1	9.6 / 9.5
Unit without Electric Heater					
Min. Circuit Amps [2, 4, 12]		4.2	5.0	6.8	8.5
CFM (Cool/Wet Coil)	High	290	290	290	340
	Low	264	264	264	314
CFM (Dry Coil)	High	310	310	310	360
	Low	282	282	282	332
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*
Dehumidification (Pints/Hr.)		1.7	2.2	3.6	4.4
Net Weight (lbs.)		108	112	115	126
Ship Weight (lbs.)		123	127	132	143

265,277 Volts

Model [1, 6, 8, 9]		PTH 074E**AXXX	PTH 094E**AXXX	PTH 124E**AXXX	PTH 154E**AXXX
Voltage [1, 3]		265	265	265	265
Capacity (BTU/h)		7,500	9,000	11,500	14,000
Amps [12]		3.0	3.6	4.8	6.0
Watts [12]		635	780	1115	1430
EER		11.6	11.1	10.0	9.7
Unit without Electric Heater					
Min. Circuit Amps [2, 4, 12]		3.6	4.4	5.9	7.3
CFM (Cool/Wet Coil)	High	290	290	290	340
	Low	264	264	264	314
CFM (Dry Coil)	High	310	310	310	360
	Low	282	282	282	332
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*
Dehumidification (Pints/Hr.)		1.7	2.2	3.6	4.4
Net Weight (lbs.)		108	112	115	125
Ship Weight (lbs.)		123	127	132	142

* Approximately 95 CFM with optional power vent kit. Actual vent CFM performance will vary due to application and installation conditions. See Notes on previous page

Product Specifications: PTC / PTH Models — Electric Heat Performance

(Primary Heating for PTC Models; Auxiliary Heating for PTH Models; See below for Power Cord Configuration)

Voltage	Electric Heat (kW)	No. of Stages	Nominal Heating (BTU/h)			Total Watts[6]	Total Amps	Min. Circuit Ampacity[2]	MOP[4] (amps)	Power Cord
			@ 230V	@ 208V	@ 265V					
230/208V	2.5	1	8,500	6,800	- -	2,570 / 2,115	11.2 / 10.1	14.0	15	6-15 P
230/208V	3.5	1	12,000	9,900	- -	3,570 / 2,935	15.5 / 14.1	19.4	20	6-20 P
230/208V	5	1	17,100	14,000	- -	5,070 / 4,160	22.1 / 20.0	27.5	30	6-30 P
265V	2.5	1	- -	- -	8,500	2,570	9.7	12.1	15	7-20 P
265V	3.7	1	- -	- -	12,600	3,770	14.2	17.8	20	7-20 P
265V	5	1	- -	- -	17,100	5,070	19.2	23.9	25	7-30 P

133 units

* PTH/PTC09*E50*/* has the same airflow as a PTC/PTH12*E**** (not available on 7,000 BTU/h models).

Product Specifications: PTH Models — Reverse-Cycle Heating Performance

R-410A REFRIGERANT

230/208 Volts

Heating Capacity [1]	PTH 073E**AXXX	PTH 093E**AXXX	PTH 123E**AXXX	PTH 153E**AXXX
Voltage [1, 3]	230 / 208	230 / 208	230 / 208	230 / 208
BTU/h [5]	6,800 / 6,800	8,300 / 8,100	10,900 / 10,500	13,500 / 13,300
Amps [12]	3.5 / 3.5	4.1 / 4.1	5.6 / 5.6	7.0 / 7.0
Watts [12]	605 / 605	735 / 720	1040 /1020	1365 / 1345
COP[5]	3.3 / 3.3	3.3 / 3.3	3.1 / 3.1	2.9 / 2.9
CFM (Dry)	310	310	310	360

265/277 Volts

Heating Capacity [1]	PTH 074E**AXXX	PTH 094E**AXXX	PTH 124E**AXXX	PTH 154E**AXXX
Voltage [1, 3]	265	265	265	265
BTU/h [5]	6,800	8,200	11,000	13,500
Amps [12]	3.0	3.6	4.8	6.0
Watts [12]	585	730	1040	1365
COP [5]	3.4	3.3	3.1	2.9
CFM (Dry)	310	310	310	360

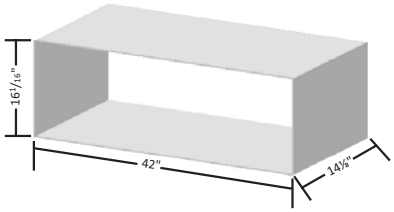
COP = Coefficiency of Performance; per ARI test procedures, units are rated for capacities and efficiencies.
See Notes on Page 7.

Accessories

Wall Sleeves
All our wall sleeves have industry standard dimensions of 42" wide x 16 1/16" high. All Stonewood Beige G-90 metal wall sleeves are thermally insulated and include a weather board for use during construction. The WS900D, SC and INTERNAL 14⅞" depth is the industry standard. Sleeves may be shipped separately to allow for installation during construction.

Standard Depth Sleeves

WS900E	Standard PTAC sleeve
WS900SC	Seacoast triple protected
WS900D-INTERNAL	Internal drain only for window-wall installations (DK900D sold separately)



Custom Color Sleeves
We offer over 150 different custom colors to choose from for your wall sleeves. In addition, we can custom paint the exterior a different color from the interior to meet your needs.

Extra Deep Sleeves
We offer sleeves in several depths for thicker wall installations or special room configurations

WS9xxD1	16" to 24" in 1" increments
WS928D1	Extra deep 28"
WS930D1	Extra deep 30"
WS936D1	Extra deep 36"

Outdoor Grilles
Available in stamped-aluminum or architecturally louvered for application with an Amana brand WS900D wall sleeve.

AGK—Extruded aluminum architectural grille available with anodized aluminum finish and a baked-on paint finish for durability. Choose from 3 stock colors or a custom color to blend with your building's exterior color scheme.
CB (Clear Anodized),
DB (Dark Brown/Bronze),
TB (Stonewood Beige), WB (White), SB (Special/Custom Colors)

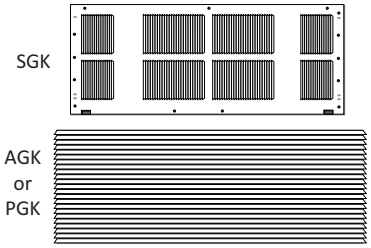
PGK—One-piece injection molded grille using a polymer blend of engineered thermoplastic high-impact strength material with chemical resistance and an exterior UV protective coating.
Choose from 3 stock colors:
DB (Dark Brown/Bronze), TB (Stonewood Beige), WB (White)

Standard Outdoor Grille

SGK01B	Single Pack
SGK01TB	Stonewood Beige

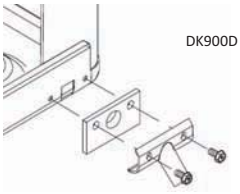
Architectural Outdoor Grille

AGK01CB	Anodized Aluminum (Silver)
AGK01DB	Dark Bronze/Brown
AGK01TB	Stonewood Beige
AGK01WB	Amana White
AGK01SB	Custom Colors
PGK01DB	Dark Bronze/Brown
PGK01TB	Stonewood Beige
PGK01TB	Amana White



Condensate Drain Kit
Attaches to the wall sleeve base pan for controlled internal or external disposal of condensate.

DK900D	Condensate Drain Kit (use with WS900E)
DK9001D	Condensate Drain Kit (use with WS900B)



Low-Voltage Wire Harness Kit
For quick connections of the remote, or wired, thermostats, wired EMS, or front desk with jumpers and connectors.

PWHK01C	Wire Harness Kit

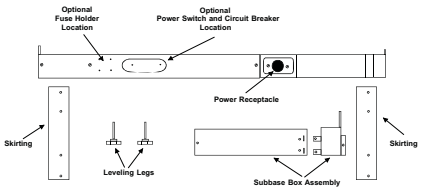
Remote Escutcheon Kit (not shown)
Optional kit for use with units controlled via a wired, remote thermostat. Covers control touch-pad for wired thermostat installations.

REK10B	Remote Escutcheon Kit (10-pack)

Each kit contains 80 wires and wire nuts, enough to attach a thermostat and one additional accessory to 10 PTAC units. Wires come in assorted colors for easy attachment.

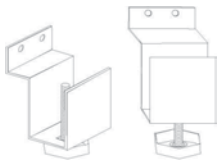
Sub-base Kit
The fully skirted sub-base conceals wiring while providing strong support, if needed. Plug-in receptacle and field-wiring access speeds installation. Electrical accessories, such as fuse holders, circuit breakers and disconnect switches, meet N.E.C. requirements.

PTSB320E	230/208V 15/20A
PTSB330E	230/208V 30A
PTSB420E	265V 15/20A
PTSB430E	265V 25A
PTSB000E	Non-electrical



Leveling Legs
Gives wall sleeve front support and helps to level the unit for installation.

LL2B	Leveling legs for WS9** sleeves



Hard-wire Kits
Used to permanently wire to the chassis when a standard sub-base and power cord are not used.

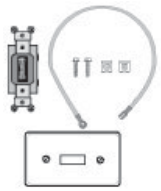
PTPWHWK4	Armored Cable - all voltages
PTQCO3A	Quick Connect - 230/208 V
PTQC04A	Quick Connect - 265 & 115 V

Accessories (cont.)

Power Disconnect Switch

The PSHW**A power disconnect switch can be used for 265-volt or 230/208-volt physical disconnect, where required by local codes. The switch is rated at 30-amp capacity. The switch is for use with and Amana® brand standard sub-bases or PTPWHWK4 Hard Wire Kit.

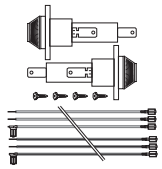
PSHW03A	230/208V
PSHW04A	265V



Fuse Holder Kit

Cartridge-style fuses can be installed in the fuse holder for use in the sub-base or chassis. Available in 15, 20 and 30 amp (included on 265-volt unit).

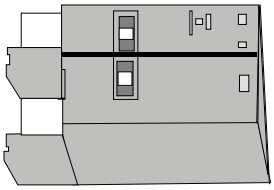
FHK315C	230/208V 15A
FHK315E	230/208V 15A (R-410A)
FHK320C	230/208V 20A
FHK320E	230/208V 20A (R-410A)
FHK330C	230/208V 30A
FHK330E	230/208V 30A (R-410A)



Circuit Breaker Kit (230/208V only)

The circuit breaker kit, available in 15, 20 or 30 amp, can be used with Amana brand sub-bases. It gives overcurrent protection, and its location allows you to turn the unit on or off without tools.

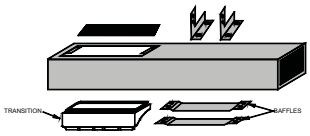
CBK3**C	Circuit Breaker Kit



Duct Extension Kit

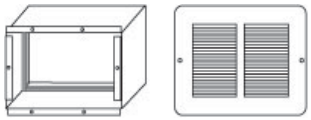
Extends air distribution to an adjoining room. Consists of a main duct for the room of origin and an extension duct to reach the adjoining room and terminal duct. PTDK01A allows for the new "B" series unit to work with the "A" series duct kits.

Main Duct Kit



Extension Duct Kit

Terminal Duct Kit



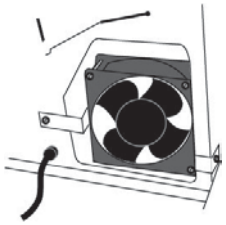
MDK02B	Main Duct – R-22
MDK01E	Main Duct – R-410A
EDK02B	Extension Duct

TDK02	Terminal Duct
PTDK01A	Transition Duct Only – R-22
PTDK01E	Transition Duct Only – R-410A

Power Vent Kit

Installation of Power Vent increases CFM up to approximately 95. Vent door will automatically close when unit fan is off.

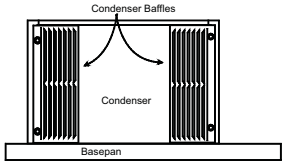
PVK3A	230/208V – R-22
PVK4A	265V – R-22
PVK3E	230/208V – R-410A
PVK4E	265V – R-410A



Condenser Baffle Kit

For use on non-baffled grilles. These deflectors direct the air in toward the center and away from the inlet to prevent recirculation of the hot condenser air.

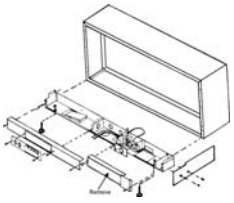
DGK1B	Condenser Baffle Kit



Sub-base Extension Cover Kit

Converts older 30-amp sub-bases to allow for installation of the larger 30-amp LCDI power cord and plugs.

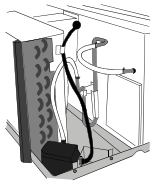
SBEC10A	10 Pack



Condensate Removal Pump

Can be field-installed. Assists in removing condensate developed by heat pump operation and transfers it to indoor coil to dissipate into room while adding humidity to the room.

CDP302	230/208V – R-22
CDP402	265V – R-22
CDP302E	230/208V – R-410A



Accessories (cont.)

Security Key Locks

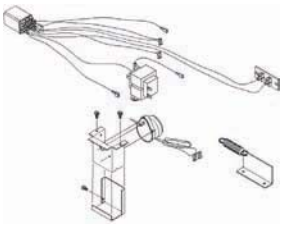
In conjunction with the tamper-resistant front, the installation of Amana® brand security key locks prevents tampering of the controls used to set temperature, heating and cooling functions. UL approved for institutional use only.

KL03B	Security Key Lock (R-22)
KL03E	Security Key Lock (R-410A)

Power Door Kit

Vent door will automatically open when unit fan is on.

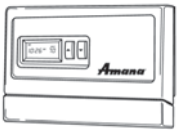
PDK3A	230/208V – R-22
PDK4A	265V – R-22
PDK3E	230/208V – R-410A
PDK4E	265V – R-410A



Thermostats

The following thermostats offer remote control. Any thermostat other than those listed must be submitted to Goodman Company, L.P., for approval prior to use.

Model	Heat Stages	Cool Stages	Display	Type	Shape & Orientation
C5200609	1*	1	Mech.	Manual	Round
D9945801	2**	1	Mech.	Manual	Rect./Horiz.
1246005/6	1*	1	Mech.	Manual	Rect./V or H
1246001	1*	1	Digital	Manual	Rect./Horiz.
1246003	2**	1	Digital	Manual	Rect./Horiz.
1246004	2**	1	Digital	Program	Rect./Horiz.
1241501	2**	1	Digital	Auto Change	Rect./Vert.

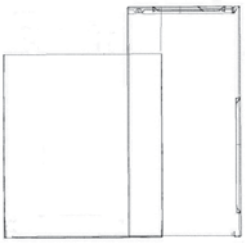


Hydronic Heat Kit

Add-on kits fit all units allowing the addition of hydronic water or hydronic steam heat to cooling and heating units. The kits feature left- or right-hand piping. Unit retains complete service access with a kit installed. Unit must be connected to and operated by a wall thermostat.

HWK03B	Hydronic Water Kit – R-22
HVK03B	Hydronic Steam Kit – R-22
HWK03E	Hydronic Water Kit – R-410A
HVK03E	Hydronic Steam Kit – R-410A

Hydronic Heat Kit-Side View



Hydronic Heat Kit-Top View

Hydronic Heat Kit-Right View

Hydronic Valves

Water and steam valves are available for use with the HWK03 (water) and HVK03 (steam) heat kits.

VS2WNCA*	2-way/24V/NC/Steam
VS2WNOA*	2-way/24V/NO/Steam
VW2WNCA*	2-way/24V/NC/End Switch
VW2WNOA*	2-way/24V/NO/End Switch
VW3WNC2B*	3-way/24V/NC/NO/End Switch

* Pop-top Actuator

Wireless RF (Radio Frequency) Controls

All DigiSmart PTACs come factory-ready to be controlled via wireless RF devices. 2.4 Ghz 802 15.4 protocol assures robust communications and response.

DS01E	Thermostat: 2-way communications
DD01E	Occupancy Sensor: EMS activation
DT01A	Antennae / Router
GT01A	Generic Radio Antenna / Router
DD01F	Door Switch: EMS Activation
DP01E	Web-enabled Platform Server
DL01E	Web-enabled Platform Server Link

Accessories (cont.)

Remote Temperature Sensor
Unit can be wired to sense room temperature away from the PTAC to have accurate readings.

RTS03	Remote wall-mounted sensor

Wired Energy Management Control
Includes PIR occupancy sensor power from the DigiSmart control and door switch; cannot be used with a remote wired thermostat.

WEMR01W	Recess-mounted door switch
WEMS01B	Surface-mounted door switch (Brown)
WEMS01W	Surface-mounted door switch (White)

Wall Sleeve Extension Adapter Kits
Room-side extension kits to increase the depth of the existing sleeve to allow for an industry-standard PTAC to be installed.

SECM10001A	Climate Master 12½" Sleeve Extension (10 Pack)
SEZA0501A	Zone Aire 11½" Sleeve Extension (5 Pack)

Curtain Baffle Kit
The color-matched polymer curtain baffles help to prevent curtains from falling into the discharge air stream and causing recirculation, reducing efficiencies and shortening compressor life.

PTCB10B	10 Pack for R-22 units
PTCB10E	10 Pack for R-410A units

Monthly Maintenance

Intake Air Filters

It is extremely important to clean the inlet air filters once a month (or more often if operated in dusty or dirty locations or conditions) to properly maintain the operational performance of the PTAC unit. The two intake air filters (constructed of durable polypropylene) can be easily inserted into the cabinet front using the cabinet filter guides. Before cleaning the intake filters, turn the unit off by setting the mode switch to the OFF position. Filters should be cleaned as required.The following procedure is used to remove the intake filters:

1. Facing the unit, pull up on the filter handles located at the front top of the unit.
2. Pull each filter upward and remove.
3. Clean filters with vacuum or with running water. Reverse this procedure to reinstall the filters.

Note: Accessory filter kits are available from your sales person. All filters are permanent and cleanable. Consult your I&O Manual for other monthly cleaning instructions.

Spare Filters
Helps keep dirt and lint out of the air and off the coil, thus increasing the unit's efficiency. Amana® brand filters are easy to remove, wash and replace.

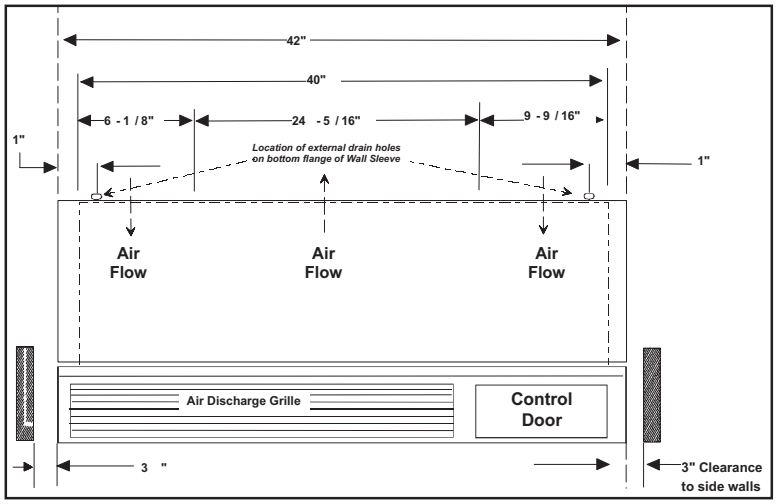
FK10A	10-pack - A Series
FK10B	10-pack - B, C & D Series
FK10E	10-pack - E Series (This model requires 2 filters per change.)

Replacement Charcoal Filter Kit
Absorbs airborne odors caused by cigarette, pipe or cigar smoke and odors caused by mold, mildew, etc. Filters are made of polyester fibers coated with activated charcoal and are individually wrapped. These filters are permanent and can be washed or cleaned. Call your Amana® brand PTAC sales person for details. 10 filters per pack.

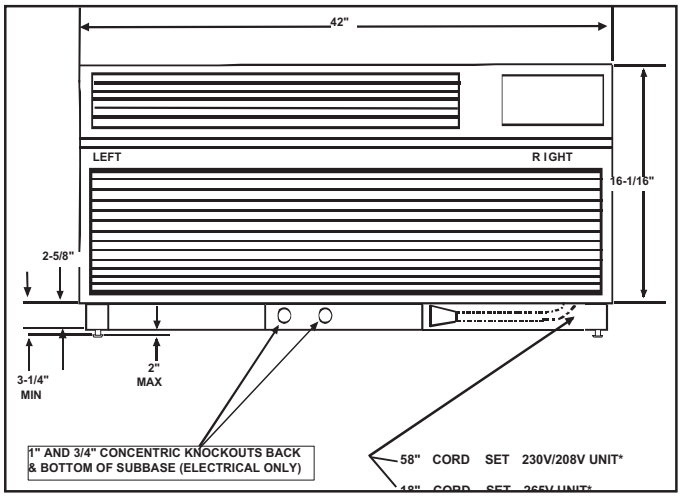
CFK10A	10-pack - A Series (R-22)
CFK10B	10-pack - B, C & D Series (R-22)

Unit with Accessory Wall Sleeve and Sub-base Accessory

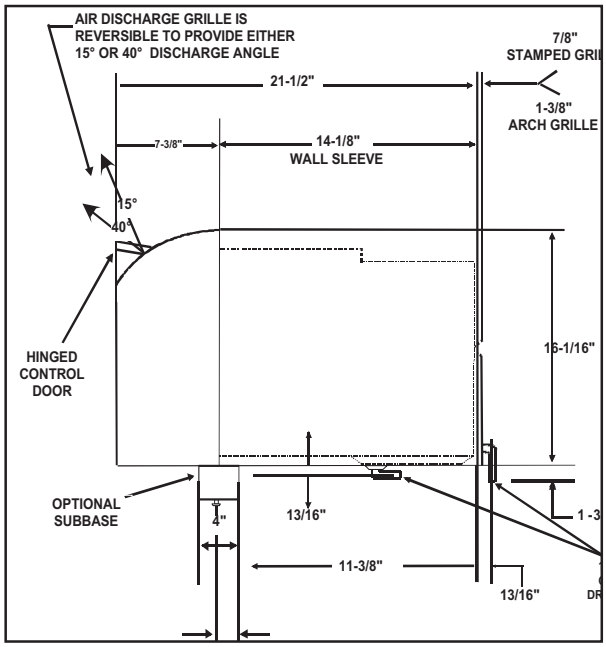
Top View



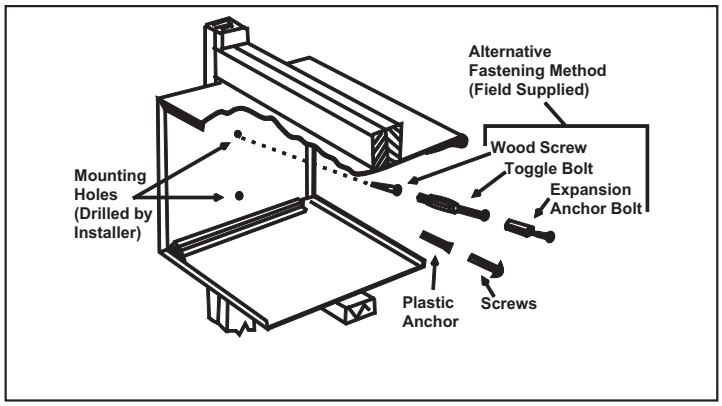
Front View
58" LCDI CORD SET — 230V/208V UNIT*



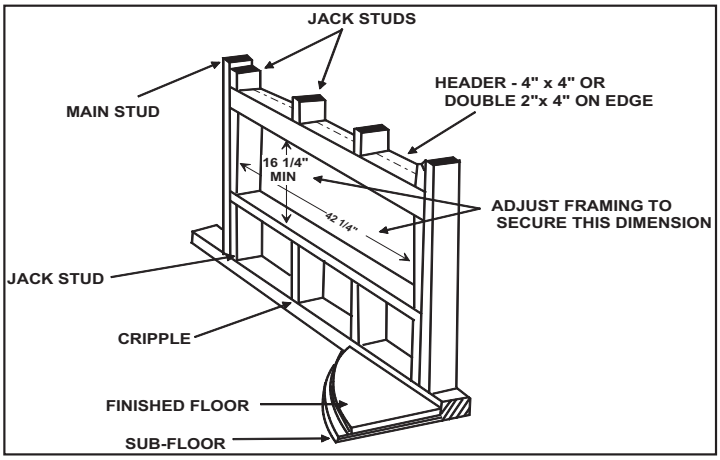
Right View



Framing for Accessory Wall Sleeve (WS9XX)



Wall Sleeve must extend a minimum of ¼" beyond outside wall to allow for proper caulking.



Wall sleeve opening height should be squared with wall sleeve opening width.	H = 16¼"
	W = 42¼"

Fastening Wall Sleeve

When installed in an opening, the Wall Sleeve must be horizontally level (side-to-side) and pitched **¼ bubble** to the outside.

(**NOTE:** To ensure unit's maximum efficiency, **DO NOT** over- or under-pitch.)

Installation Notes

1. If **Sub-base** (PTSB***E) is installed, allow minimum 3¼" height clearance and maximum 5" height clearance between wall sleeve and floor; allow minimum 2¾" protrusion from a finished wall. ***See Note 4 if using hydronic units.***
2. **Drain Kit** (DK900D) shipped separately. Can be mounted either right side, left side or bottom of sleeve. If mounted to bottom of sleeve, allow 2" height clearance from floor to bottom of sleeve.
3. For UL approval, 265V units must use Amana® brand **Sub-base** (PTSB***E) or Amana® brand **Hard Wire Kit** (PTPWHWK4). Overcurrent protection on 265V units must be by cartridge-style time delay fuses, **which are included and factory-installed on the Amana® brand 265V chassis.**
4. If **Hydronic Kit** (HWK03 or HVK03) is installed, **Wall Sleeve** must extend exactly 3" into the room from the finished interior wall. If using the Amana® brand **Sub-base** (PTSB***E), only the minimum 3¼" height clearance between wall sleeve and floor is permissible. Unit must also be operated with a remote-mounted thermostat.
5. If **Duct Kit** (MDK02B) is installed, allow a minimum of 2⅜" into the room from the finished interior wall.

Heating & Air Conditioning
Amana®

Packaged Terminal Air Conditioners and Heat Pumps

with DigiSmart Control Board

R-410A REFRIGERANT

7-Button Control Pad
- One-Touch Activation
- Total Fan Control
- Easy-to-Read Display

American PRIDE
Proudly Assembled in Texas and Tennessee

5 YEAR PARTS LIMITED WARRANTY*
1 YEAR UNIT LIMITED WARRANTY*

First-Year Warranty: Parts & Labor on entire unit
Second through Fifth Year: Parts & Labor on certain sealed system components
Second through Fifth Year: on certain functional parts only
* Complete warranty details available at www.amana-ptac.com.

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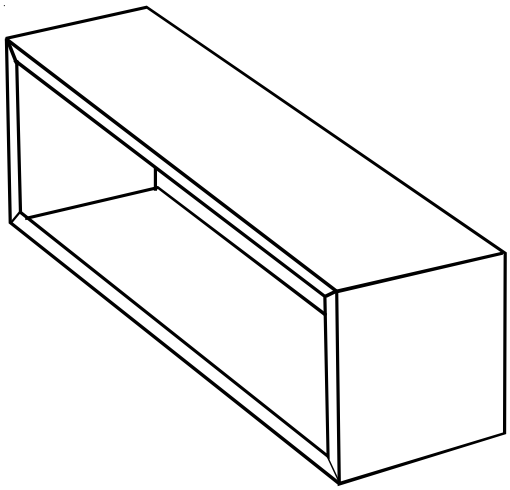
PTAC Wall Sleeve
Installation Instructions

The wall sleeve must be installed before the air conditioner or heat pump chassis can be set in place. Read the instructions thoroughly before proceeding.

When 230/208 volt units are to be installed, the power supply may be either cord connected or permanent wiring. Permanent wiring may be done through the hard wire junction box, or the accessory subbase.

When 265 volt units are to be installed, the power supply must be permanent wiring. Permanent wiring may be done through the accessory hard wire junction box, or the accessory subbase. **An exposed cord connection on 265 volt units is not permitted.**

The subbase accessory includes leveling legs. If added wall sleeve support is required and the subbase is not to be used an accessory leveling leg kit may be installed.



Made in USA

Contents

KIT ACCESSORIES 2
- Drain Kit 2
- Subbase, Leveling Legs, Main Duct, and Hydronic Heat Kits 2

PRE-INSTALLATION CONSIDERATIONS 3
- Outdoor Enclosure Panel Removal 3

WALL SLEEVE INSTALLATION 4

⚠ RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION

ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

Part No. A3495105
Printed in USA

August 2005

Drain Kit

An indoor/outdoor drain kit is available as an accessory item. When a drain kit is to be installed, do so before installing the wall sleeve in the wall. See the drain kit for actual installation instructions.

Subbase, Leveling Legs, Main Duct, and Hydronic Heat Kits

Installation of these kits requires drilling of mounting holes on both sides of the wall sleeve. The minimum required clearance distance between the wall sleeve and wall is shown in Table 1. If the distance between wall sleeve and wall will be at or near the minimum clearance distance, mount these kits on the sleeve before installing the sleeve in the wall. The kit installation instructions are included with the accessory kits.

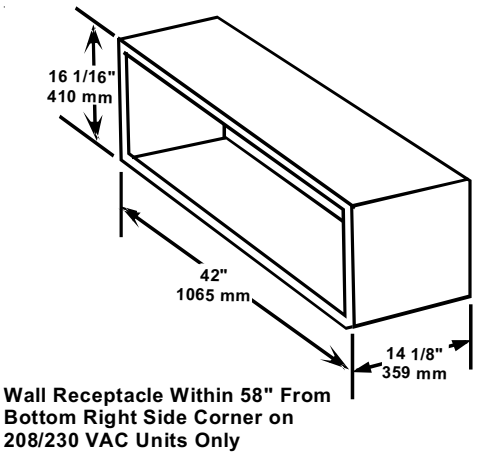


Figure 1 - Wall Sleeve Dimensions

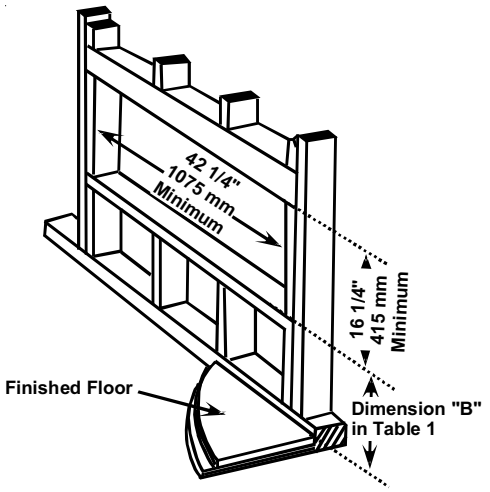


Figure 2 - Minimum Wall Opening Dimensions

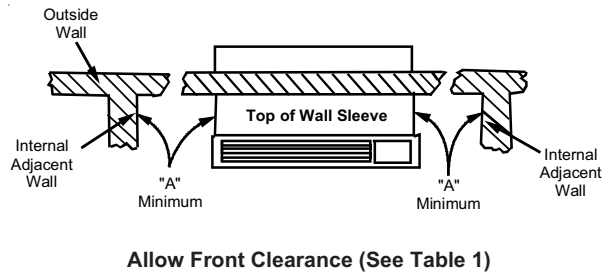


Figure 3 - Minimum Unit Clearances

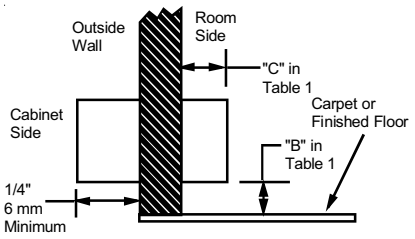


Figure 4 - Minimum Interior and Exterior

MINIMUM CLEARANCES AND PROJECTIONS						
OPTION	MINIMUM CLEARANCES				MINIMUM PROJECTION	
	A (Figure 2)		B (Figure 3)		C (Figure 4)	
	Inches	mm	Inches	mm	Inches	mm
Wall Sleeve Only	3	75	0	0	0	0
Subbase Kit	3	75	3 1/4	85	2 3/4	70
Leveling Legs Kit	3	75	3	75	2	50
Duct Kit	3	75	0	0	2 3/8	35
Hydronic Heat Kit "A Series"	9	230	0 to 3 1/4[3]	0 to 85[3]	3[2]	75[2]
Hydronic Heat Kit "J Series"	6	150	0	0	2 1/2	65
Drain Kit	3	75	'0[1]	'0[1]	0	0
Hardwire Kit	3	75	1 1/4	30	0	0

[1] If inside mounted then B = 1 1/2 inches (40 mm)

[2] To achieve a flush fit between the hydronic front and the finished wall, Dimension “C” must be between 3” and 3 1/8”. If this dimension is more than 3 1/8” there will be a gap between the front and the wall. This gap could permit occupant access to hydronic lines or other dangerous parts.

[3] This dimension can be from 0” to 3-1/4”, but cannot exceed 3-1/4”. If this dimension exceeds 3-1/4”, the skirt around the front will not reach the floor.

Table 1

PRE-INSTALLATION CONSIDERATIONS

Before proceeding with the sleeve installation, ensure the following guidelines for locating the wall opening and sleeve are met:

- The wall opening must be the correct size. See Figure 1 for wall sleeve dimensions and Figure 2 for minimum wall opening size.
- The wall sleeve will need to be installed with minimum clearances to the floor and adjacent walls. Minimum projections of the sleeve into and out of the room will also have to be met. See Figures 3 and 4 as well as Table 1 for details.
- If installed in a concrete or masonry wall, a lintel must be provided in the wall opening for support. **Do not use the wall sleeve as a lintel.** See Figure 5 for a typical lintel construction.
- When installed in the opening, the wall sleeve must be horizontally level from side to side and pitched (one quarter bubble in the sight glass) to the outside. DO NOT SLOPE THE WALL SLEEVE TOWARD THE ROOM. (Figure 5)
- The installer must determine and supply the mounting bolts and/or screws to attach the wall sleeve to the sides of the wall opening. Make sure the wall opening is adequate for strong support.
- The installer must provide adequate sealing and insulation around the sleeve after it is installed. See Figure 6 for one of many types of constructions.
- If used, a 208/230-volt wall receptacle must be located within 58 inches of the lower right sleeve corner. Extension cords must not be used with the unit. See the note on Figure 1.
- For installations in walls deeper than 13-7/8 inches, special care is necessary to prevent problems with rain water, condensate drainage and intake/discharge air. Under these circumstances, careful job site analysis and precautions are required. You must consult with your Sales Representative and receive approval before attempting such installations.

Outdoor Enclosure Panel Removal

The sleeve stiffener must be taken out before the enclosure panel can be removed from the sleeve.

1. Remove the zig-zag folded cardboard sleeve stiffener (Figure 7).
2. Remove the rear closure panel by folding the four flaps as indicated in Figure 8.
3. Grasping the top and bottom flanges of the rear closure panel as shown in Figure 9, the entire panel is pulled out diagonally from one side.

Install the wall sleeve condenser air grille by using the screws and holes provided. (See the Installation Instructions provided for the grille kits.)

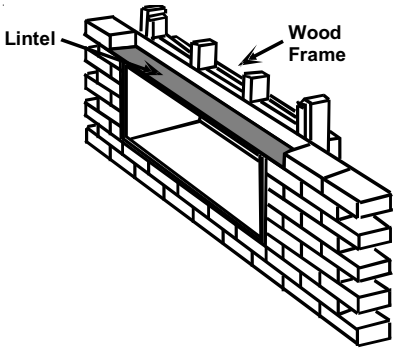


Figure 5 - Framing with Lintel

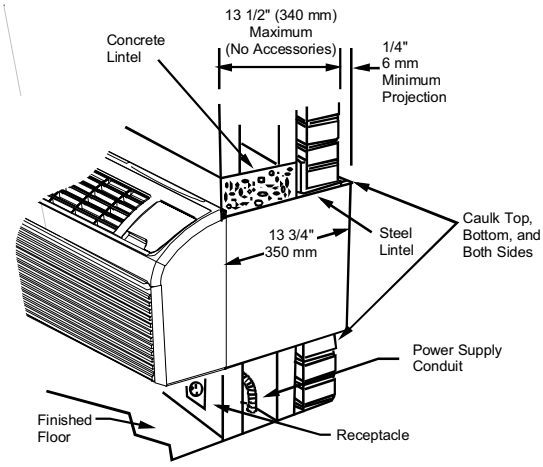


Figure 6 - Block and Brick Veneer Installation

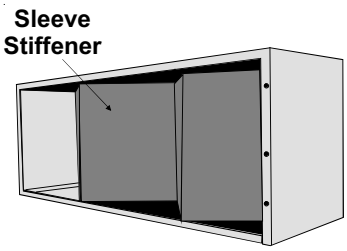


Figure 7- Sleeve Stiffener Remova

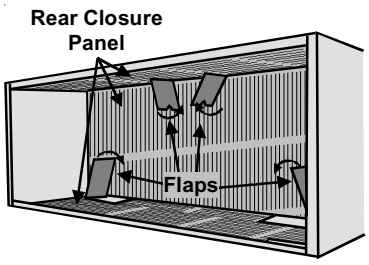


Figure 8 - Rear Enclosure Panel

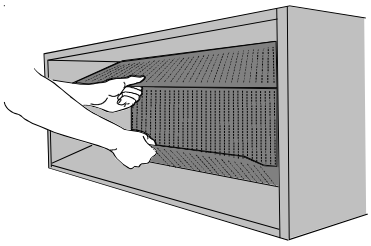


Figure 9 - Panel Removal

WALL SLEEVE INSTALLATION

After the wall opening is checked and approved for location, size, and clearances, complete the following to install the wall sleeve.

1. Remove the outside enclosure panel from the wall sleeve.
2. Slide the wall sleeve into the wall opening. Do not distort the cabinet shape to fit the wall opening; the unit chassis must fit snugly and uniformly into the wall sleeve.
3. Locate the sleeve within the range of minimum projections, as shown in Figures 3 and 4, so both sides are at least the minimum projection from the wall.
4. Check the level of the wall sleeve. For proper drainage, the sleeve should be level from side to side and one-quarter bubble in the sight glass sloping to the outside.
5. Two holes will need to be drilled in both sides of the wall sleeve for mounting into the wall. Drill holes of proper size and in the proper location so the screws will engage into strong supporting members of the wall. DO NOT DRILL THROUGH BOTTOM OF SLEEVE. Figure 10 shows possible fastening methods.

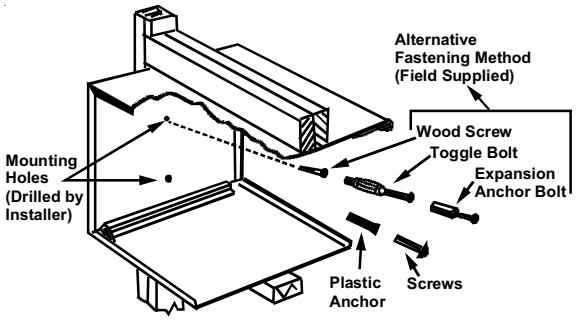


Figure 10 - Wall Sleeve Attachment to Opening

6. Check the level of the wall sleeve and adjust if necessary.
7. Caulk or seal around the outside of the entire sleeve.
8. If the unit chassis will not be installed immediately, replace the enclosure panel on the outside opening of the sleeve. This will prevent weather damage to the building interior.
9. Recycle or dispose of packaging materials per local codes.

PTAC
Standard Louvered and Architectural Outdoor Grilles

Installation Instructions

Standard Louvered Grille

NOTE: A baffle kit **must not** be used with a standard louvered grille on any PTAC installation.

Before installing the grille, remove the cardboard stiffener and rear enclosure panel from the wall sleeve. These items can be removed from inside of the building. The sleeve stiffener must be taken out before the rear sleeve enclosure panel can be removed from the sleeve.

Sleeve Stiffiner Removal
Fold the two outside flaps "A" in and downward to remove (Figure 1).

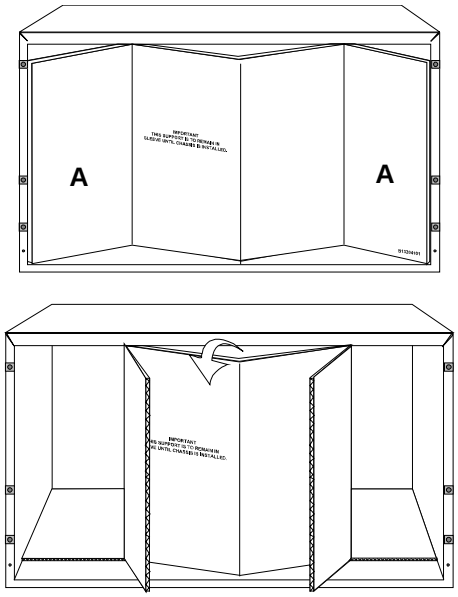


Figure 1

Rear Enclosure Removal
Remove the rear enclosure by folding the front ends of the top and bottom towards the center. Grasp the top and bottom flanges as shown in Figure 2 and pull out diagonally from one side of the sleeve.

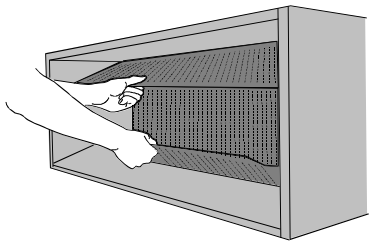


Figure 2

Standard Louvered Grille Installation Instructions

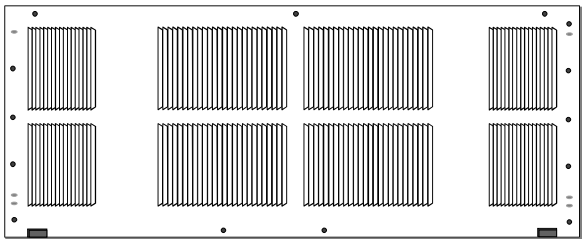


Figure 3

1. Position the grille so that all four flanges are in the up position.
2. Insert the six grommets provided so the square end protrudes through the grille in the opposite direction from the flanges.
3. Manipulate the grille out through the rear sleeve opening using the plastic handle (not shown) provided.
4. Align the guide pins located in the lower right- and left-hand corners of the grille (Figure 3) with the corresponding holes in the rear of the wall sleeve.
5. Secure the grille by threading each of the six screws into the plastic grommets.
6. Remove the plastic handle (not shown) from the center of the grille prior to installing the chassis into the sleeve.

⚠ CAUTION

Be sure to keep a firm grip on the plastic handle and grille to prevent it from dropping and /or causing possible injury or property damage.

Made in USA

The installation and servicing of this equipment should be performed by qualified, experienced technicians.

October 2000
Rev. 1

A3495703

Architectural Louvered Grille

NOTE: Some PTACs may include factory-installed baffles on the outdoor coil. Remove these baffles before installing the architectural grille.

1. Remove the cardboard sleeve stiffener and the rear enclosure of the sleeve as described on page 1.
2. Install the four threaded studs (B, Figure 4) into the threaded openings on the inside face of the grille.
3. Manipulate the grille out through the rear sleeve opening using the plastic handle provided.

CAUTION

Be sure to keep a firm grip on the plastic handle and grille to prevent it from dropping and /or causing possible injury or property damage.

4. Attach the grille to the sleeve by aligning and inserting the threaded studs in the corresponding holes.
5. Secure the grille to the sleeve with washers C and hex nuts D provided with the kit.
6. Remove the plastic handle after installation is completed.

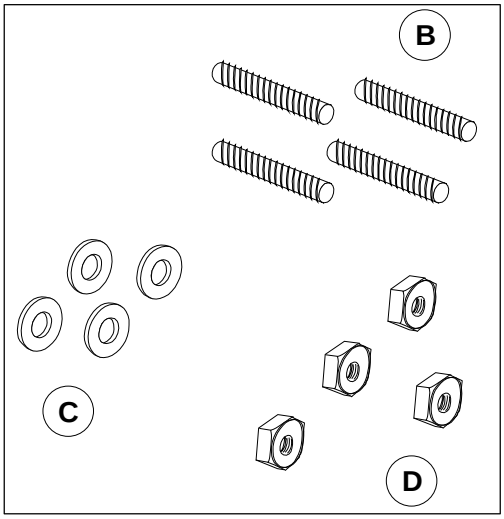


Figure 4

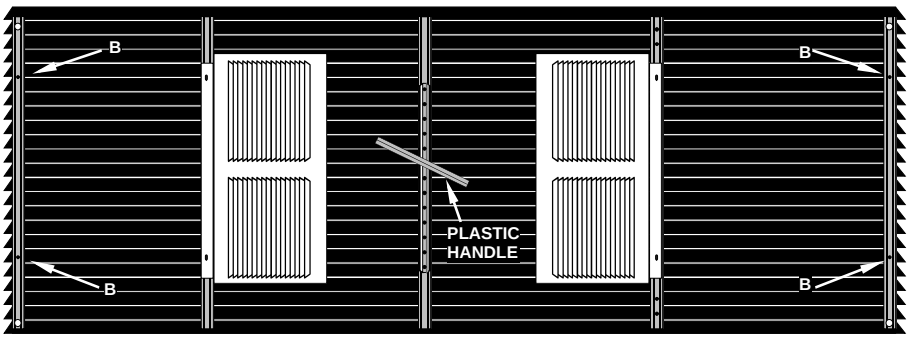


Figure 5

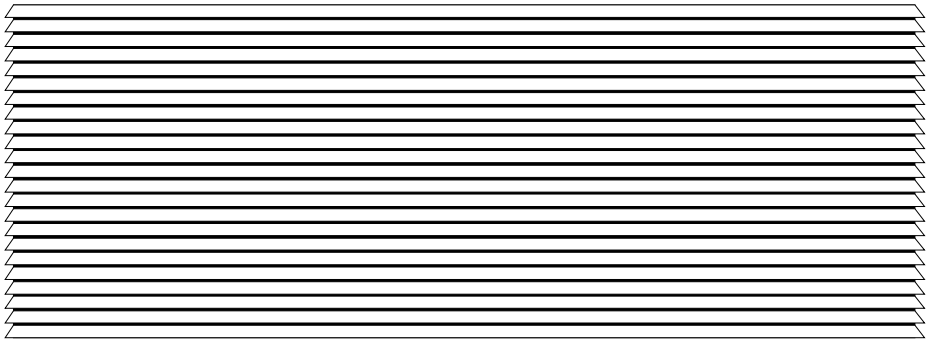


Figure 6

Due to policy of continual product improvements, the right is reserved to change specifications and design without notice.

KEY LOCK INSTALLATION INSTRUCTIONS

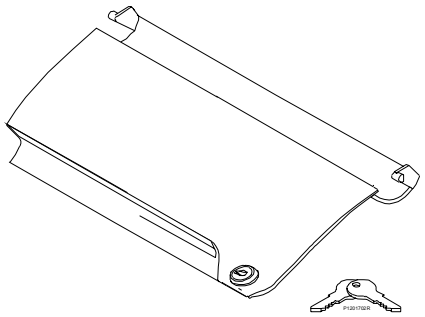
The installation and servicing of the equipment should be done by qualified experienced technicians.

The Key Lock kit prevents tampering of the controls used to set temperatures and heating or cooling functions.

⚠ CAUTION

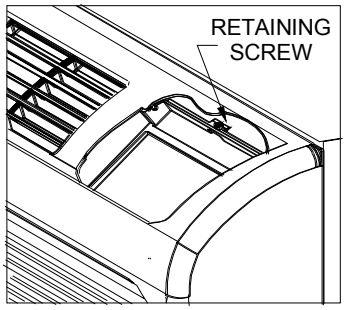
PERSONAL RISK HAZARD

Underwriter's Laboratories Inc. listed. For institutional use only where supervisory monitoring is available. Any other use may increase the risk of personal injury or property damage.



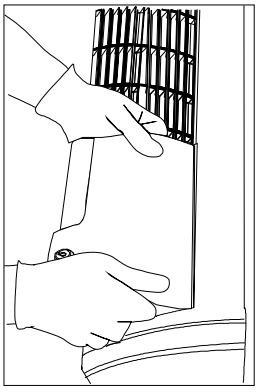
Key Lock Assembly

Installation Instructions



1. Remove front from unit by pulling bottom out and then lifting upward.

2. Loosen retaining screw by one-turn counterclockwise. Disengage door pins from housing slots and remove door.



3. Insert the key lock assembly in the housing slots. Tighten retaining screw one-turn clockwise. Do not overtighten.

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Part No. 11113602
Printed in U.S.A.

Made in USA

May 2003

ENERGY STAR PARTNER

DigiSmart™ CONTROL BOARD

RAISING THE BAR IN PTAC CONTROLS

Designed exclusively for Amana PTAC units, DigiSmart technology has dramatically raised the bar in PTAC controls. Your guests will appreciate its large, easy-to-read LED readout that allows them to check the temperature with a quick glance and, if desired, to change the setting to a specific temperature by pressing a button. The ability to select a precise temperature helps your guests avoid over-cooling their rooms, a situation that often occurs with knob-type controls, which are less precise.

What's more, the DigiSmart Control Board offers many programmable features and self-diagnostics that help facility personnel better manage the care and maintenance of the PTACs in their facility and allow management to better control operating costs. One of these features is a "setback" program that senses whether or not a unit has been touched within a specific window of time. If the unit has not been touched, the system then concludes that the room in which the PTAC is located is vacant and begins setting the temperature back in three successive steps, thereby saving energy.

The most significant breakthrough in the PTAC industry, is our new **DigiSmart Wireless Energy Management Suite** that helps ensure that you minimize energy used in cooling your guest rooms when your guests are not in the room.

ENHANCE ROOM VALUE, GAIN CONTROL AND START SAVING 35% ON PTAC ENERGY COSTS!*

There are three key pieces to the DigiSmart Wireless Energy Management Suite: a Wireless Antenna, a Remote-Mounted Thermostat, and a combination Motion Sensor/Door Switch. When installed withan Amana brand PTAC, the system works as follows.

(1) Plug in the DigiSmart Antenna.

Once a technician plugs this small antenna into the DigiSmart control board, the unit is ready to communicate with the Thermostat and the Motion Sensor/Door Switch. And as you install these amazing DigiSmart antennae in all of the PTACs in your facility, they will form a network and begin to talk to one another.

(2) Set and Mount the DigiSmart Remote-Mounted Thermostat.

Simply push a button inside the thermostat to link it to the PTAC and mount the thermostat on the wall.

(3) Set and Mount the DigiSmart Occupancy Control.

A simple push of a button will link this device to the PTAC. Then just mount the DigiSmart Motion Sensor/Door Switch above the door, and the Amana brand's proprietary software routines will begin working with this device to determine whether the room is occupied. While the guest is in the room, the PTAC maintains the selected temperature. When the guest is away, however, the energy management system sets the temperature back based on setback routines that you can determine yourself.

The new **DigiSmart Wireless Energy Management Suite** is an extremely valuable way for you to help control the energy used in your guest rooms, which can dramatically reduce your operating costs over time.

Call us at 800-647-2982 for complete details.

PROUDLY ASSEMBLED FOR OVER 30 YEARS IN TENNESSEE

Heating & Air Conditioning
Amana®

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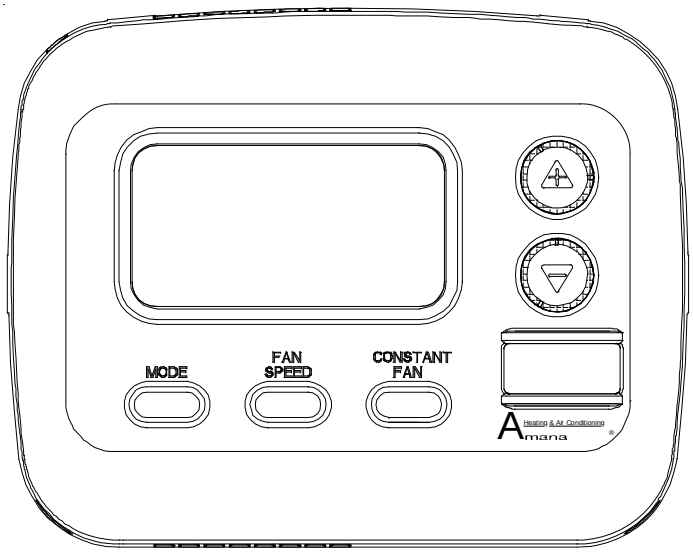
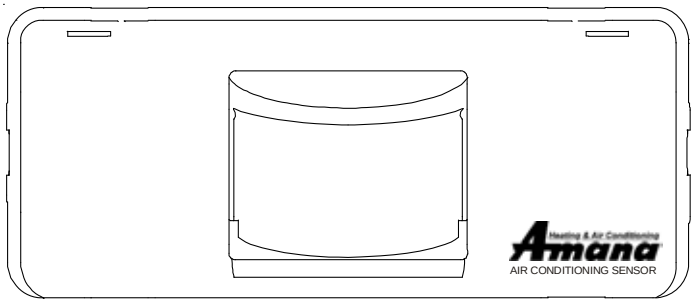
*These savings represent savings over time as compared to the same PTAC model without the DigiSmart EMS System installed and were generated using general assumptions including energy loads, local weather averages and use of occupancy controls. Actual savings will vary according to actual use habits, room square footage, and how the unit is installed.

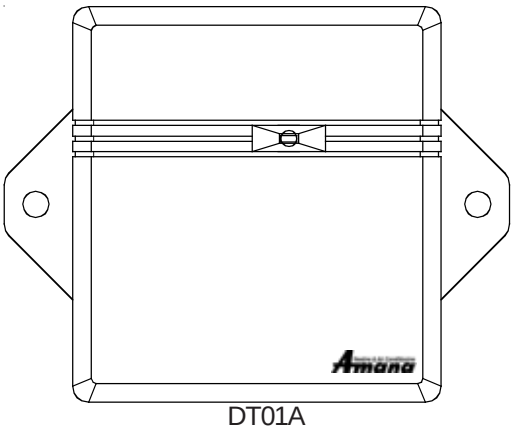
PTAC
WIRELESS KITS (DT01A, DS01E, DD01E)
INSTALLATION INSTRUCTIONS



DS01E



DD01E



DT01A

The following installation instructions are for a typical installation.

Please contact your PTAC salesperson

for additional assistance and explanation prior to ordering materials or cutting openings.

ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer.
This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual.
Pay special attention to all safety warnings. Often during installation or repair
it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough
to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting.
Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices.
However, if there is a direct conflict between existing practices and the content of this manual,
the precautions listed here take precedence.

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January 2010
IO-729

Due to policy of continued product improvement, the right is reserved to change specifications and design without notice.

BEFORE BEGINNING INSTALLATION, PLEASE READ IMPORTANT NOTES BELOW:

- If devices are to be powered, field installed wiring will need to be run from thermostat location to unit location and from door sensor location to PTAC location and from wired magnet to sensor location.
- If wireless platform DP01, DP01E or DL01E are being utilized, then room numbers MUST BE CONFIGURED in the control board prior to binding wireless devices.
- All units must have DT01A antenna for wireless devices to communicate properly.

  Sequence of installation:
- 1) Mount the peripherals

  2) Verify operation of the door sensor

  3) Program room numbers

  4) Bind peripherals

  5) Reattach peripherals to their mounted backplates

  6) Install optional security screws
- Installation and videos are available on our website at www.amana-ptac.com.
- Use only one DD01E Passive Infrared Motion Sensor (PIR) door switch combination device and/or one DS01E to one Digi*Smart*™ PTAC unit.

Antenna Installation For DT01* Kit

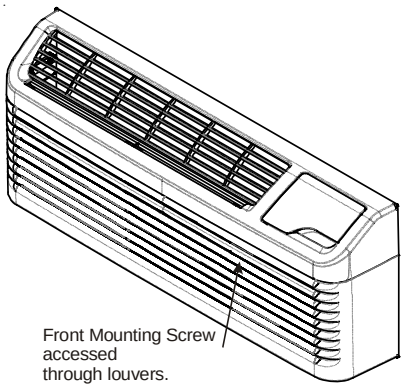
A DT01* antenna must be installed on the digital PTAC to allow operation of either the DS01* remote RF thermostat or a DD01* combination PIR motion sensor and door switch.

WARNING

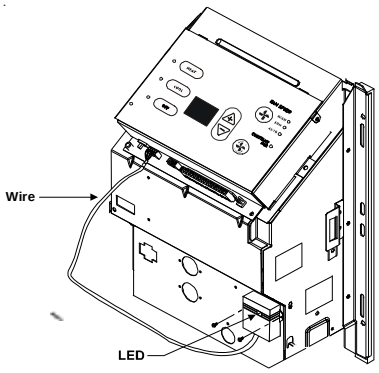
HIGH VOLTAGE
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS KIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. THE "OFF" SWITCH DOES NOT DISCONNECT ALL POWER TO THE UNIT.

Preparation

1. Disconnect power to the unit by unplugging the power cord at the wall outlet or subbase, or disconnect power at the fuse box or circuit breaker.
2. If the cabinet front is screwed to the chassis, remove the 1/4" screw (or screws) located behind the inlet grille. Pull the inlet grille forward from the top of the grille to access screw(s).



3. Remove cabinet front from chassis by tilting the bottom of the front forward, lifting slightly up and forward.
4. Mount the antenna as high up on the control panel as possible and as far to the right as possible in a location that will not interfere with the reinstallation of the PTAC polymer room front. Mark holes for screw location. Remove antenna housing and drill two 1/8" holes where marked. Some units may have the holes already predrilled in the correct location.



DT01* Mounting

5. Remove antenna cable and route cable through opening in bottom of antenna housing.
6. Mount antenna housing with two screws as shown in figure. (**NOTE:** The Amana® brand logo should be in the lower right hand corner).
7. Plug wire harness from antenna into connector on the control board to the right of the master switch, being careful not to bend and/or break the wires when you connect the cable to the PTAC. Gently push the connector into place by pushing on the edge of the connector with your thumb nails. *Avoid pushing directly on the wires.*
8. Restore power to the PTAC unit.
9. Reinstall the polymer room cover.

NOTE: The LED must be oriented at the **top** of the antenna housing (the Amana® brand logo will be on the lower right) for proper unit operation.

Thermostat Installation for DS01E Kit

NOTE: A DT01* must be installed on the digital PTAC unit for the DS01* to be operable.
Skip these steps if not installing.

1. Select thermostat mounting location about five feet above the floor, on an inside wall, out of direct sunlight, away from sources of radiant heat (lamps, fireplaces, heating and air conditioning equipment, etc.), away from windows or door to the outside, and avoid areas with poor air circulation. If the PIR in the thermostat is to be used with a DD01* device as a 2nd motion sensor, point the thermostat towards the area where you are requiring additional motion sensing.

   Ensure location is out of the path of foot traffic where a person might accidentally bump into the thermostats and damage the device.

2. Remove thermostat from mounting plate by pulling apart at the bottom of the thermostat about 1", and slide thermostat up to release from the top of the mounting plate.

3. Place thermostat mounting plate against the wall at desired location and mark placement of mounting holes. Make sure the UP arrow is pointing up on the mounting plate.

4. If mounting in drywall, tap plastic anchors into wall. For other surfaces, drill a 3/16" hole.

5. Screw mounting plate to the wall. DO NOT SNAP THERMOSTAT INTO PLACE UNTIL AFTER BINDING PROCESS. *See Binding Instructions on page 9.*

6. Install four (4) AA batteries (included) into the back of the thermostat. Terminals are marked "+" and "-" for polarity.

NOTE: Do not install thermostat on wall plate until all configuration settings and binding processes have been completed.

WIRED POWER OPTION

1. If the option for wired power is used, the two thermostat wires (20 gauge minimum field supplied) can be connected to the thermostat.

2. Route wires through the opening in the mounting plate.

3. Loosen set screws on wired terminal and insert wires into the opening. Tighten set screws.

4. Connect wires at PTAC unit to terminal pins **C** and **R**. The wire harness kit PWHK01C is required for this connection.

Mounting Sensor/Door Magnet Installation for DD01E Kit

DDO1E must be mounted on the top door frame as close to the door as possible in the horizontal position.

A DT01E must be installed in the PTAC unit for the DD01E to be operable.

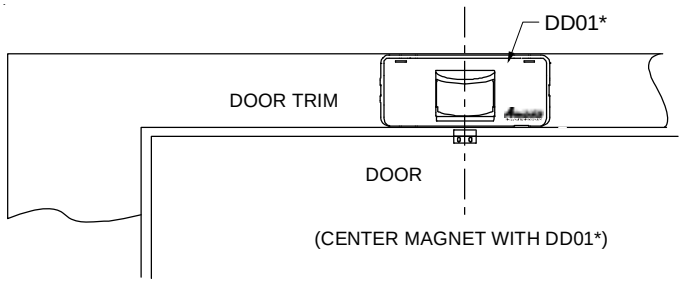
Skip these steps if not installing.

1. Remove motion sensor from mounting plate by pulling apart.

2. Mount the back plate on the door trim directly above the door using the enclosed screws. (Position so the UP arrow is pointing up.) Mount the DD01E as low as possible on the door frame to be as close to the moving part of the door as possible without interfering with the door opening or closing. Choose a location for mounting the back plate that will provide good coverage of the PIR for motion into the room. Make sure that the DD01E will not interfere with the normal opening and closing of the door.

DO NOT SNAP MOTION SENSOR IN PLACE UNTIL AFTER BINDING PROCESS.

See Binding Instructions, page 9.



DD01E Mounting

3. Install two (2) AA batteries (included) into the back of the thermostat. Terminals are marked "+" and "-" for polarity. *Do NOT put batteries into the device until AFTER the magnet location is selected to test.*

WIRED MAGNET AND POWERED DOOR SENSOR OPTION

In cases where there is no top door frame, the sensor will need to be mounted on the wall next to the door. In these cases a wired magnet (a field supplied single pole single throw wired magnet) can be recessed or surface mounted and wired to the door sensor. The magnet will be a recessed style magnet with wired switch. The wires for the sensor (20 gauge field supplied) in the magnet will need to be run during construction. Two wires will be run from the door sensor location to the PTAC unit; the remaining two wires will be run from the magnet location to the sensor location. The door sensor has four (4) terminal locations for wired power and/or wired magnets. The two (2) terminals closest to the binding button are for wired power and the top two (2) terminals are for wired magnet.

Run the magnet wires through the opening in the center of the door sensor wall plate.

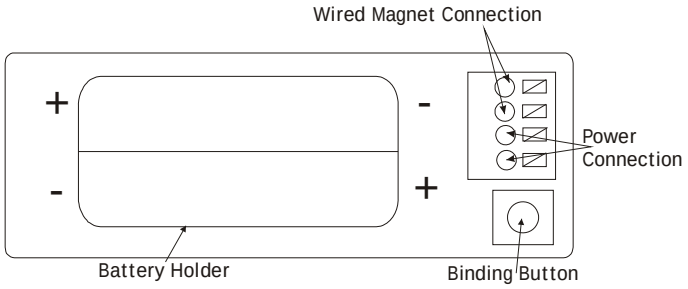
CONNECTING MAGNET

Using a pocket size straight blade screw driver push down on the terminal button to open the socket, insert wire into socket and release the terminal button. Insert one wire into each of the two (2) terminals. See image below for wire locations.

POWER CONNECTION

If using the wired powered option for the door sensor, using a pocket size straight blade screw driver, push down on the terminal button to open the socket. Insert wire into socket and release the terminal button. Insert one wire into each of the two (2) terminals. See following for wire locations. Connect the power wires from the door sensor to the PTAC on terminals C & R. The wire harness kit PWHK01C is required for this connection.

Viewed from the back with the power block in upper right corner.



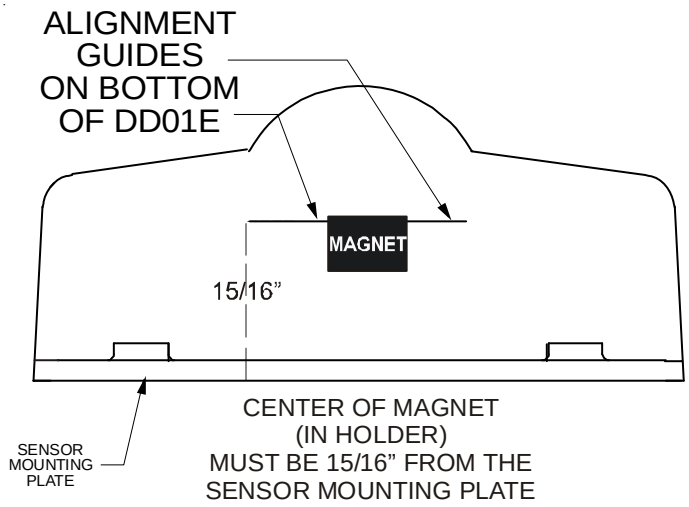
Door Magnet Installation

NOTE: Magnet buckets are shipped from the factory with the magnets in position A. The position may change based on the door and door frame alignment on page 5.

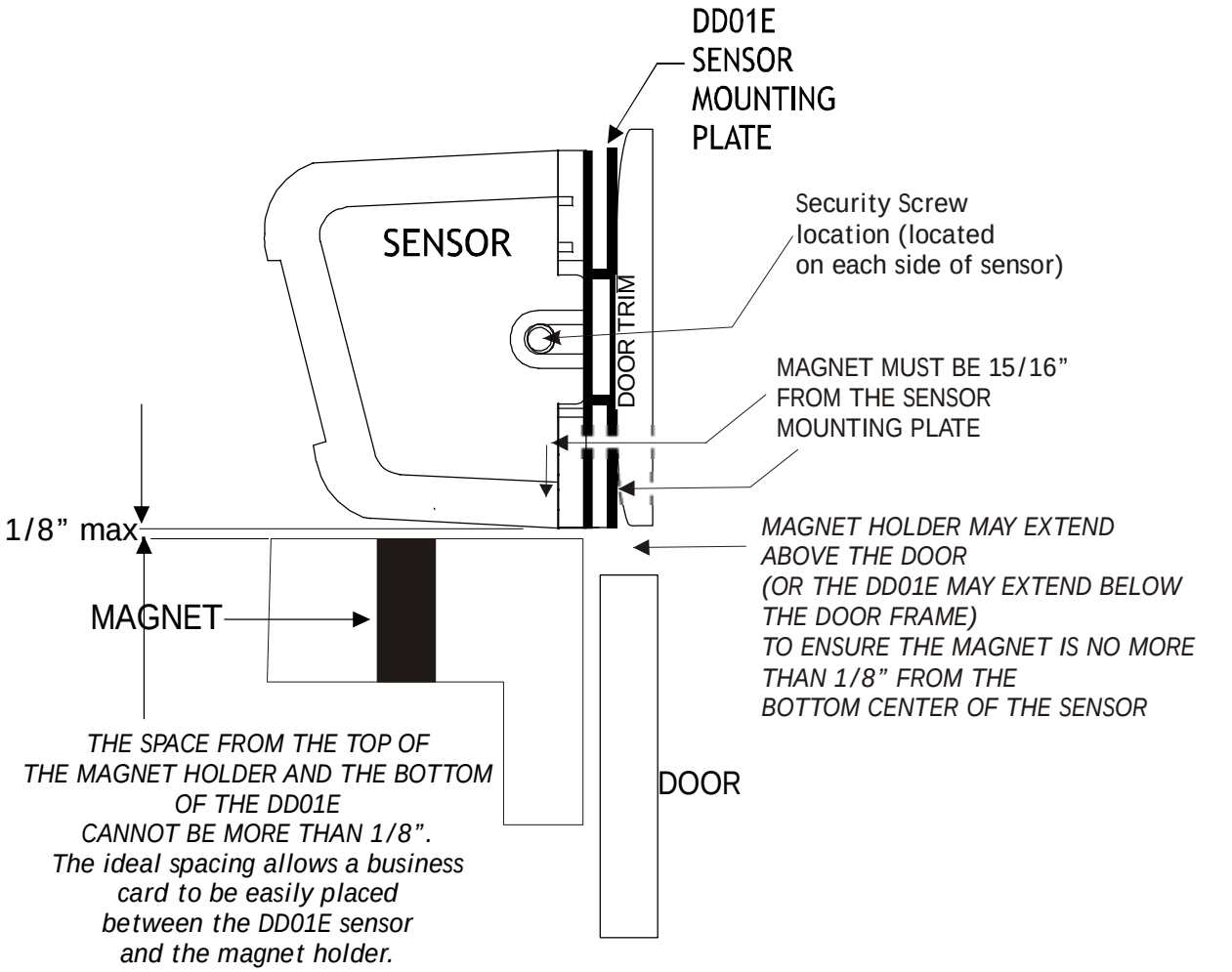
Mount the door magnet holder on the front of the door where it will be as close as possible to the bottom of the motion sensor but no more then 1/8" from the bottom center of the motion sensor (DD01E) when the door is closed.

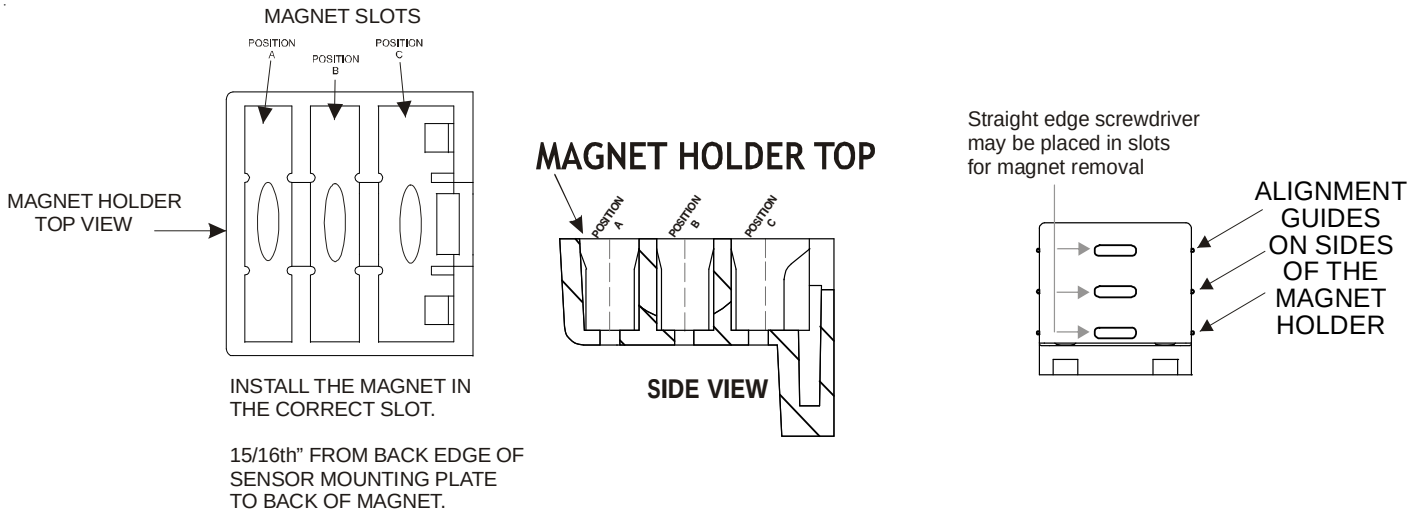
Select the correct slot in the magnet holder (there are three slots) to obtain 15/16" from back of sensor mounting plate to the center of the magnet. (If you can easily slide a business card between the magnet and the DD01E sensor, unit is properly placed vertically.) *See image below for magnet and sensor alignment.*

Screw in place with the 2 screws provided. Open and close the door to make sure that the magnet holder and motion sensor will not interfere with normal opening and closing of the door. *See images on pages four and five.*


ALIGNMENT GUIDES ON BOTTOM OF DD01E
MAGNET
15/16”
SENSOR MOUNTING PLATE
CENTER OF MAGNET (IN HOLDER) MUST BE 15/16” FROM THE SENSOR MOUNTING PLATE

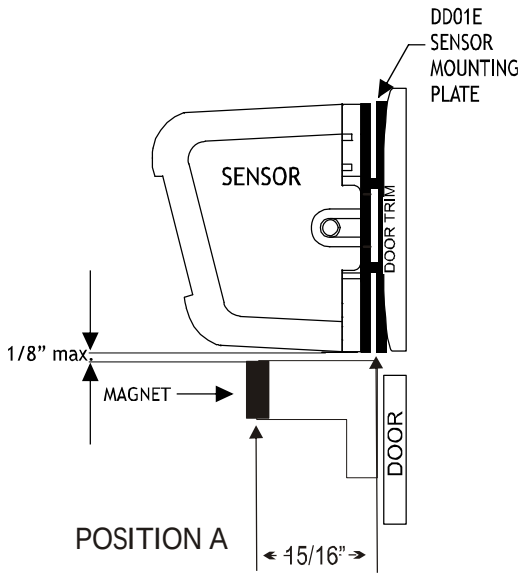
Do NOT install batteries until you are ready to test the magnet location with DD01E.



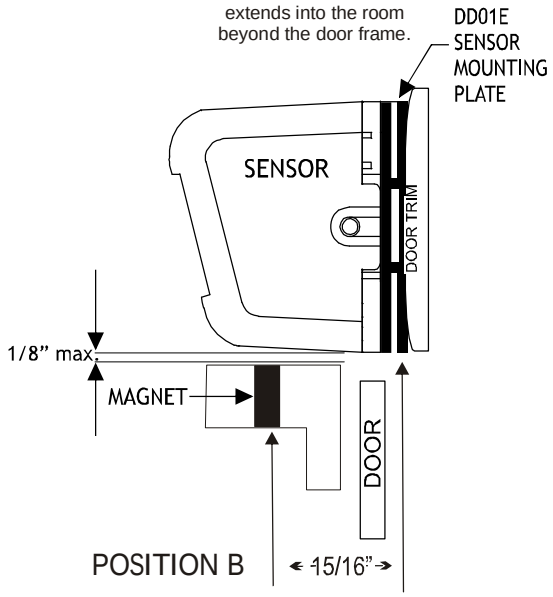


Select one of the three slots that places the magnet 15/16" from the sensor mounting plate on the door frame. *See following examples.* The door frame and door usually will not align. Place holder on the door and select the slot that places the magnet as close as possible to the 15/16" depth from the back of the DD01E mounting plate.

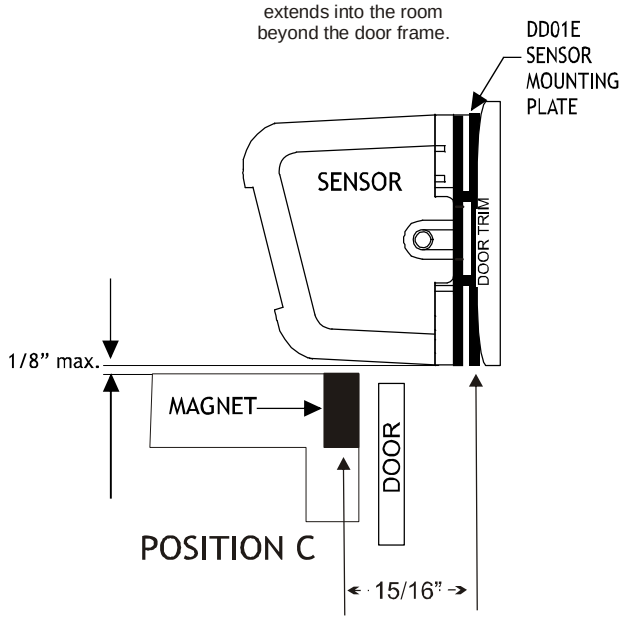
CONSTRUCTION STYLE 1
Place magnet in Position A
in instances when the door
and frame align.



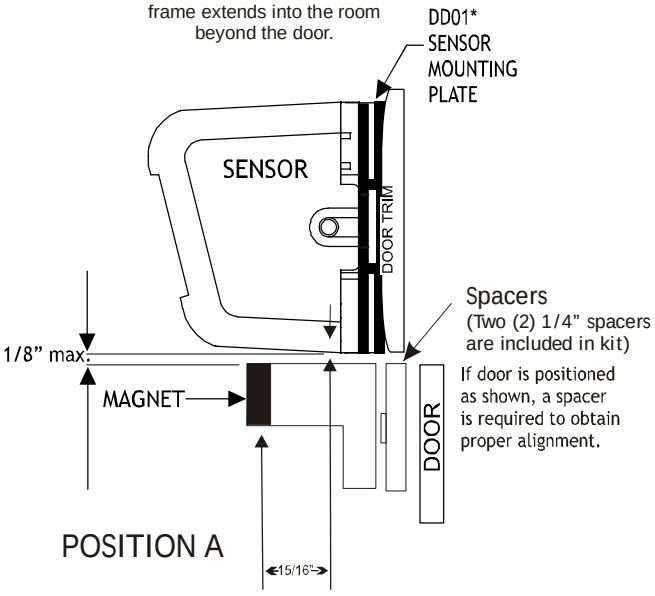
CONSTRUCTION STYLE 2
Place magnet in Position B
in instances when the door
extends into the room
beyond the door frame.



CONSTRUCTION STYLE 3
Place magnet in Position C
in instances when the door
extends into the room
beyond the door frame.



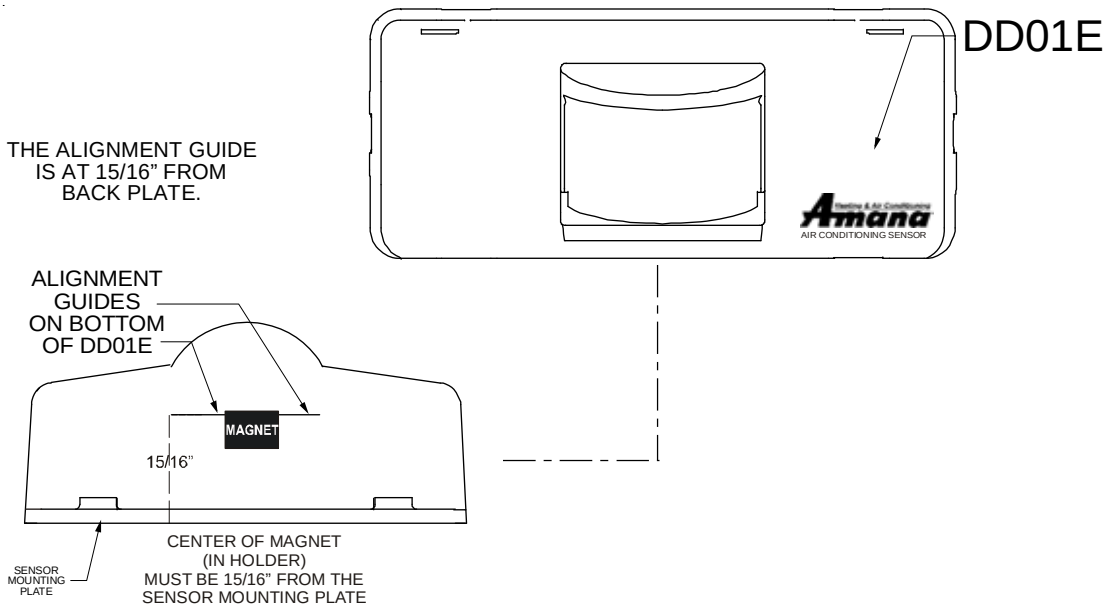
CONSTRUCTION STYLE 4
Place magnet in Position A
in instances when the door
frame extends into the room
beyond the door.



ABOVE SHOWS MAGNET 15/16" FROM THE SENSOR MOUNTING PLATE IN DIFFERENT SLOT POSITIONS

NOTE: Two (2) 1/4" spacers are provided in this kit for instances where the door is recessed behind the door trim.
See Construction style 4 above.
There is a line on the bottom of the DD01E to assist in aligning the magnet in the proper bucket location.

Above graphics are for example only. Always measure and place the magnet in the proper slot to obtain the 15/16" needed between the magnet and the sensor mounting plate on the door frame.


DD01E
THE ALIGNMENT GUIDE IS AT 15/16" FROM BACK PLATE.
AIR CONDITIONING SENSOR
ALIGNMENT GUIDES ON BOTTOM OF DD01E
MAGNET
15/16"
CENTER OF MAGNET (IN HOLDER) MUST BE 15/16" FROM THE SENSOR MOUNTING PLATE
SENSOR MOUNTING PLATE

IMPORTANT NOTE: When properly installed, the center line mark on the bottom of the DD01E will line up with the center of the line of the magnet holder containing the magnet. Choose magnet position A, B, or C to align the magnet 15/16" from the back of the DD01E.

Door Sensor Operation Verification

NOTE: Do NOT attempt to bind a DD01E unless proper operation has been validated.

To verify that door sensor is installed properly:

1. Install batteries into DD01E and snap sensor onto wall plate.
2. Close the door. Green light in lens should illuminate. Open door and green light will turn off. *Repeat this step several times to ensure door sensor is operating correctly.*

Procedure must be accomplished within one minute. If not accomplished within one minute, remove batteries and repeat Steps 1 & 2.

Configuration Settings

The PTAC control will automatically self-configure to work with the wall thermostat (DS01E Kit) if installed and bound. The PTAC control will automatically self-configure to activate pre-configured energy management routine when the DD01E is installed and bound to the PTAC. Additionally, the setback times and setback temperatures can be changed using the configuration settings. If you are using DP01* Front Desk Platform, the PTAC control will need to be configured to identify its room number placement.

Standard and DS01E Configuration

To enter configuration feature mode:

Press and **continue to hold** the up and down arrow keys and quickly **press** the **OFF** key **twice within a two (2) second time frame**. *You will see " - - " displayed.* Once you are in the configuration program, you can use the HEAT button to move UP the various configuration settings or the COOL button to move DOWN the configuration settings. The + or - keys will move up or down the selectable codes that you can change for each configuration setting. Ensure that you are in the proper configuration setting before pressing the + or - key as you may accidentally change a setting that you did not intent to change.

The display will alternate between displaying the feature code C1 and the option code **0** (factory default setting)**.** *Press the HEAT button one time to get into C1 mode and then the display will alternate between C1 and 0 - the factory default. If an RF DS01* has been bound to the unit the display will alternate between C1 and rE. The* lower right dot on the display will flash.

DPO1A, DP01E or DL01E

Entering Room Number *(Skip if not using DP01* Front Desk Platform)*

1. The PTAC control can be set for a 4-digit room number. To select the first two digits (floor), press the **HEAT** HEAT key until C4 appears, then press the up down arrows to select the first two digits.

2. To select the last two digits of the room number, press the **HEAT** HEAT key until C5 appears, then press the up and down arrows to select the last 2 digits of the room number.
   For example for Room "**201**", press the **HEAT** HEAT key until C4 appears, then press the up down arrows to select "02": C4 = 02 .
   Next to select the last two digits of the room number, press the **HEAT** HEAT key until C5 appears, then press the up and down arrows to select "01": C5 = 01.

3. If a room contains more than one unit (a suite), a suffix must also be entered to identify which unit is in the main room and which unit(s) are in bedroom(s). Master unit ALWAYS MUST have a 01 suffix and slaves a suffix or 02, 03, etc. To select the room # suffix, while still in configuration mode, press the HEAT HEAT key until r5 appears. Then press the up and down arrows to select the room # suffix. Example: For the unit serving the main living area in room 224, press the HEAT HEAT key until r5 appears, then press the up and down arrow keys to select 00 (r5 = 00 appears in the display). Since 00 is the factory default setting for configuration code r5, it may not be necessary to configure the suffix for the main room.
   For the bedroom unit closest to the main room in room 224, press the up and down arrow keys to select 01 01 (r5=01 appears in the display) Press the OFF key to exit configuration mode.

4. If a property identifies rooms by an alpha character (such as WINGS), a prefix must also be entered to identify room numbers (example: A-115). To select the room # prefix, while still in configuration mode, press the HEAT HEAT key until r4 appears. Then press the up and down arrows to select the room # prefix. Contact the manufacturer to have the prefix show as the correct letter on the platform.

Binding of RF Devices

⚠ CAUTION

DO NOT HAVE TWO GROUPS OF PEOPLE BINDING UNITS IN THE PROPERTY AT THE SAME TIME. RADIO FREQUENCY (RF) GOES THROUGH WALLS AND UP TO 400'.

IMPORTANT NOTE: If wireless platform DP01*, DP01E or DL01E are being utilized, then room numbers MUST BE CONFIGURED in the control board prior to binding wireless devices.

DO NOT ATTEMPT TO BIND MORE THAN ONE ROOM AT A TIME AT THE SAME PROPERTY!!!

RF TRANSMITS THROUGH WALLS.

The wireless devices (DS01E and or DD01E must be bound to the PTAC DT01E control for proper in-room communication. Ensure the unit is powered but in the OFF position.

NOTE: **Both the DS01E and the DD01E must be bound to the PTAC unit during the same "learn" operation.**

If you need to rebind one device - then you must rebind both devices during the same learn mode event.

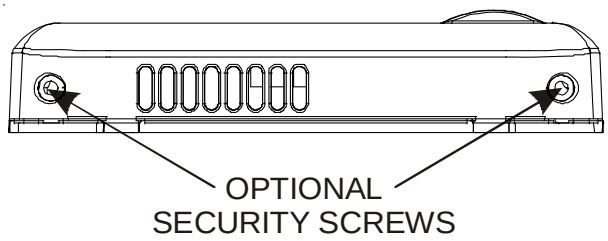
All must be bound at one time.

1. Press and hold OFF button on the PTAC until L appears.
2. Press and then immediately release the white tactile button on the back of the DS01* thermostat. L r should now be displayed on the PTAC LED display. If L r does not show on the display in 1-2 seconds, then press and release the white button a second time. Skip this step if there is no thermostat.
3. Press and then immediately release the white tactile button on the back of the DD01* motion sensor. L C or L - should now be displayed on the PTAC LED display.

   If L r or L - does not show on the display in 1-2 seconds, then press and release the white button a second time. **NOTE:** If both a DD01* and a DS01* are being bound, then the display will show L C.

Skip if there is no motion sensor.

4. Press "OFF" on the PTAC touchpad to exit the binding sequence.
5. Slide top of the thermostat down onto the wall plate and then snap into place.
6. Provided optional security screws may be used in lower corners of the thermostat.



7. Snap motion sensor onto motion sensor mounting plate.
8. Provided optional security screws may be installed on right and left side of the sensor.
9. If you wish to change from the factory default settings, configure the device or devices that were bound. See the next section for configuration choices.

NOTE: If a wireless device is replaced or added, all devices (including those previously bound) will need to be bound/re-bound to the unit. See directions above.

CONFIGURATION SETTINGS CHART

Configuration Code	Description	Option Code	Description
C1	Interface	0*	Chassis Membrane*
		rE	Wireless Remote
		L5	Wired Thermostat
C2	Fan Operation	bP	Button present
		bA*	7-Button, reverts to Cyclic
		A	Always run fan (even in Off)
		bC	7-Button, reverts to Continuous
C3	Reverse Cycle Operation	C	Cooler Only
		H*	Heat Pump*
		0	Service No Operation "Eo"
C4	Room I.D. Digit 1 & 2	00* - 99	00* - 99
C5	Room I.D. Digit 3 & 4	00* - 99	00* - 99
C6	Wired Occupancy	0*	Off*
		1	On
		18	18 Hour Automatic Entry
C8	Temp. Limiting Cool	60* - 72	60* - 72
C9	Temp. Limiting Heat	68 - 90, 80*	68 - 90, 80*
Cd	English / Metric Temp	F*	Fahrenheit Scale*
		C	Celsius Scale
d6	Sensorless Un-Occ. Time	1 - 32, 18*	1 - 32, 18*
d7	1st Un-Occ. Set Back Temp.	1 - 16, 2*	1 - 16, 2*
d8	1st Un-Occ. Set Back Time	.1, .5*, 1 - 24	.1 ,.5 ,1 - 24, .5*
d9	2nd Un-Occ. Set Back Temp.	1 - 16, 3*	1 - 16, 3*
dA	2nd Un-Occ. Set Back Time	.1, .5, 1* - 24	(d8) - 24, 1*
db	3rd Un-Occ. Set Back Temp.	1 - 16, 6*	1 - 16, 6*
dC	3rd Un-Occ. Set Back Time	.1, .5, 1 - 24, 3*	(dA) - 24, 3*
dF	Jace Group Code	00* - 99	00* - 99
r4	Room Prefix	00* - 99	00* - 99
r5	Room Suffix	00* - 99	00* - 99

See manufacturer for additional configuration options

Setback Temps - DD01E

The DD01* and the Digi*Smart*™ control can be programmed for 3 different times to activate temperature setbacks. The current factory default temperature setbacks in v2.5 * software release are: 2º from set point in 30 minutes, 3º in one (1) hour, and 6º in three (3) hours. For each time, you can select a setback temperature. The amount of setback is the amount of degrees the control will operate from guest's setting in degrees F. If a change to the factory default temperature settings is desired, use the following instructions.

NOTE: When first entering the configuration mode, if you see " - - " then you have version 2.5 or higher. *You can verify the software version by starting with the unit in the OFF position, and while holding down the "+" and "-" buttons , double click the COOL button and then release and push the FAN button within one second. The unit display will scroll through all of the thermister temperatures and the last item displayed will bs CS (current software) and you will see 25 for v2.5.*

*Other software versions may have different factory setback defaults. *Contact your PTAC representative to determine factory default settings.*

WARNING

USE OF SETBACK TEMPERATURES

DO NOT USE MOTION SENSING SETBACK TEMPERATURES IN ROOMS WHERE INCAPACITATED PERSONS OR ANIMALS ARE UNABLE TO CHANGE THE CONTROL SETTING.

AN UNATTENDED AIR CONDITIONER WITH EXTREME SETBACKS MAY RESULT IN UNDESIRABLE OR UNHEALTHY TEMPERATURE IN THE CONDITIONED SPACE, CAUSING UNDER HEATING, UNDER COOLING OR DEATH OF PERSONS OR ANIMALS.

4. To select first unoccupied set back temperature, press the **HEAT** HEAT key until d7 **feature code** comes up.

   To scroll to a previously viewed feature codes, press the **COOL** COOL key.

   Once you have scrolled to the d7 feature, press either the up or down arrow to scroll to the desired first unoccupied setback temperature. Cooling example: 72º (guest set point) + 2º (Setback temperature) = 74º (operational set point).

5. Press **HEAT** HEAT key to scroll to d8 first unoccupied setback time. The first unoccupied setback time is the time between when the control determines that the room is not occupied and when the control sets the operating set point temperature back. The increments are in hours (.1 = 6 mins., .5 = 30 mins., 1 = 1 hour, etc.). Press either the up or down arrow to the desired first unoccupied setback time. c

6. To select second unoccupied setback temperature, press the **HEAT** HEAT key until d9 comes up. Press either the up or down arrow to the desired second unoccupied setback temperature.

   Cooling example: 72º (guest set point) + 4º (Setback temperature) = 76º (operational set point).

7. Press **HEAT** HEAT key to scroll to dA second unoccupied setback time. Press either the up or down arrow to the desired second unoccupied setback time. Example: Operating set point would be 76º instead of 72º, one hour (1.0 hour) after guest leaves room.

8. Press **HEAT** HEAT key to scroll to db third unoccupied setback temperature. Press either the up or down arrow to the desired third unoccupied setback temperature.

9. Press **HEAT** HEAT key to scroll to dL third unoccupied setback time. Press either the up or down arrow

   to the desired third unoccupied setback time.

10. To **exit configuration mode**:

    Press the **OFF** OFF key. **NOTE:** Configuration feature mode will also automatically exit **if no keys are pressed** for a period of **two (2) minutes.**

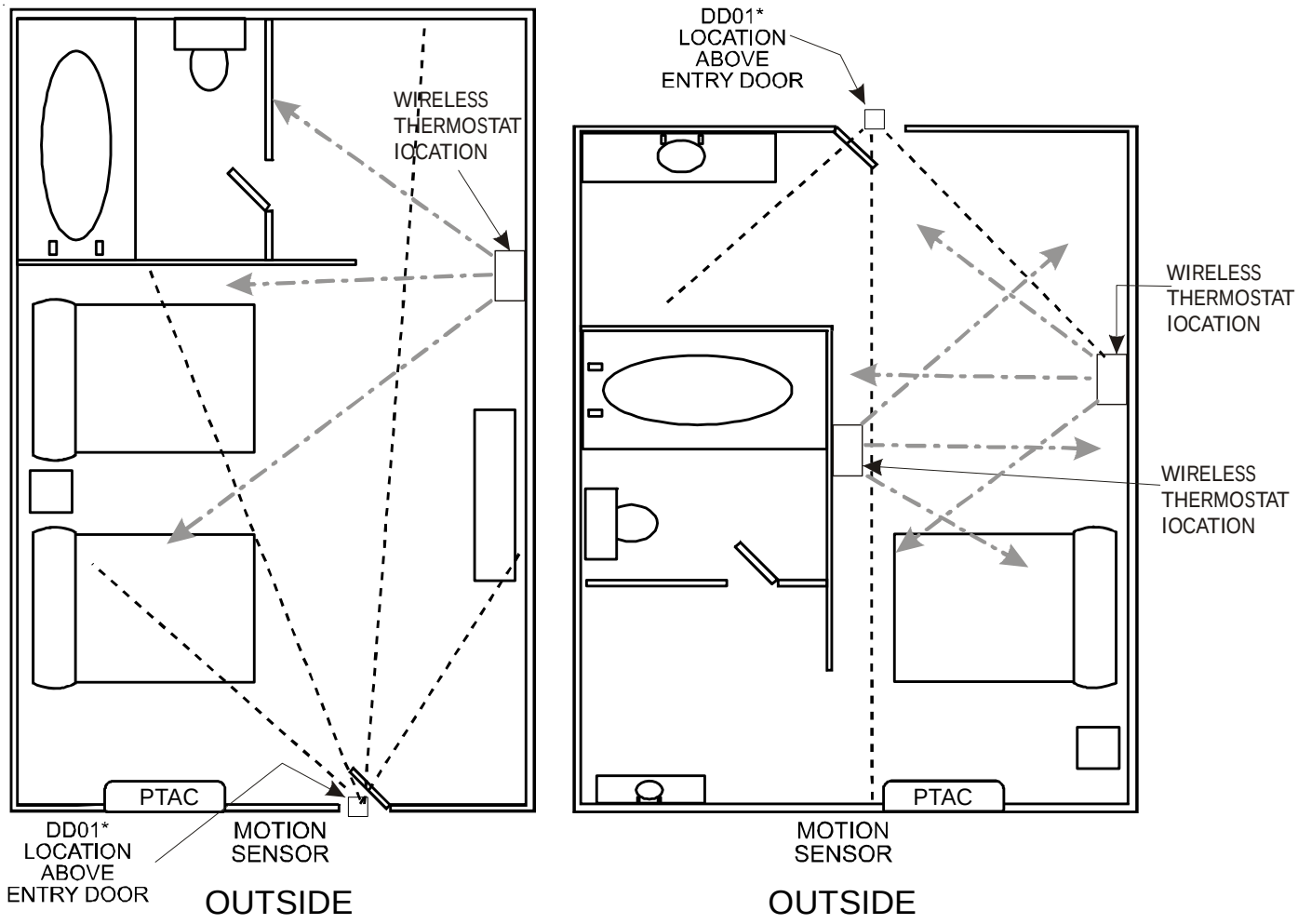
The changes made in configuration mode are now in effect.

NOTE: Additional codes are present and may be accessed within this menu. Contact the manufacturer for additional information.

Suggested Wireless Thermostat Locations in Typical Room Layouts

Select thermostat mounting location about five feet above the floor, on an inside wall, out of direct sunlight, away from sources of radiant heat (lamps, fireplaces, heating and air conditioning equipment, etc.), away from windows or door to the outside, and avoid areas with poor air circulation. Ensure location is out of the path of foot traffic where a person might accidentally bump into the thermostats and damage the device.

NOTE: Due to the motion sensor inside the thermostat, do not point towards a window.



CAUTION

This equipment is authorized for use under the United States Federal Communication Commission Rules and Regulations, Code of Federal Regulations Chapter 47 part 15 and must be installed in accordance with the instructions provided in this document. Failure to install or operate this equipment as instructed in this document could void the user's authority to operate the equipment. This equipment contains no user serviceable parts. Any modification or repairs to the internal components or to the antenna configuration of the equipment without the express written consent of Everex Communications, Inc., could void the user's authority to operate the equipment.

NOTE: To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance of 20cm (8 inches) is required between the equipment and all persons.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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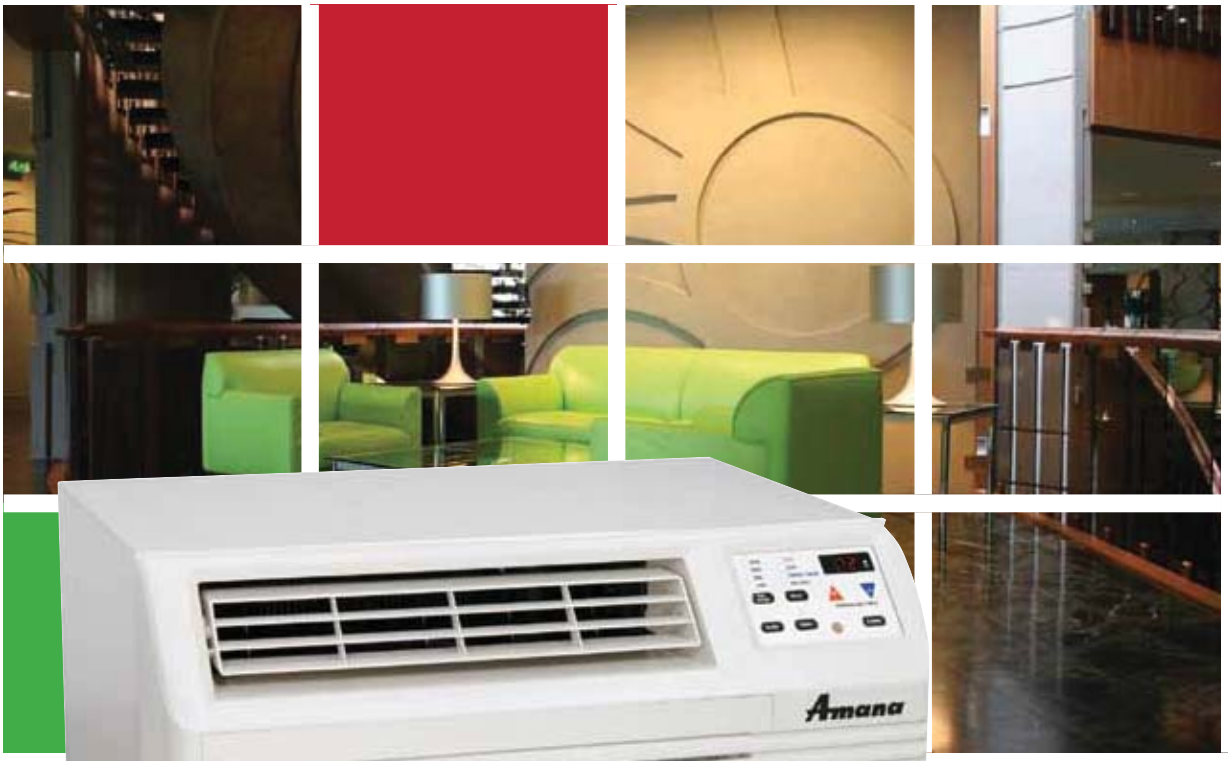
Heating & Air Conditioning
Amana

26" BUILT-IN AIR CONDITIONERS

THROUGH-THE-WALL DESIGN FOR FLUSH-MOUNT APPLICATIONS
COOLING-ONLY OR ELECTRIC HEAT OR HEAT PUMP MODELS



Specifications for:

Cooling Models:
PBC092E00BB
PBC122E00BB
PBC093E00BB
PBC123E00BB

Electric Heat Models:
PBE093E35BB
PBE123E35BB

Heat Pump Models:
PBH092E12BB
PBH093E35BB
PBH113E35BB

OFFERING TOTAL COMFORT WITH EASY-TO-USE CONTROLS!

- ELECTRONIC TOUCH PAD WITH REMOTE CONTROL
- HIGH ENERGY EFFICIENCY WITH MODELS UP TO 9.8 EER saving you money when compared to lower EER models.
- EASILY REMOVABLE CONDENSER TOP that allows for quick and complete cleaning of outdoor coils. This access for cleaning the outdoor coil enables easy removal of dirt and debris to help lengthen the life of the compressor and other system sealed components. Remove six easy access screws and let the cleaning begin!
- EASY ACCESS SLIDE OUT FILTER has a permanent polypropylene filter mesh that is easy to remove and clean.
- ACCESSORY WALL SLEEVE: PBWS01A is a solid-sided, heavily insulated metal sleeve. It includes a stamped aluminum exterior grille with a weather-seal rear enclosure for installation without the chassis. The sleeve has a solid bottom for complete weather-tight installation. An optional PBWMFC can be used when a more permanent weather seal is needed for sleeves installed without the chassis.
- 100% FULL FACTORY RUN TEST on all units for high reliability and dependability. Units start the first time — every time!
- QUIET OPERATION. Designed with guest comfort in mind — providing reliable, quiet operation for years to come.

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operational cost, or energy efficiency rating that is available from your retailer.

	Cooling Only Models				Electric Heat Models		Heat Pump Models		
Amana® brand Model	PBC092E00BB	PBC122E00BB	PBC093E00BB	PBC123E00BB	PBE093E35BB	PBE123E35BB	PBH092E12BB	PBH093E35BB	PBH113E35BB_
General Features:									
Voltage	115	115	230 / 208	230 / 208	230 / 208	230 / 208	115	230 / 208	230 / 208
Approx. chassis weight	75 lbs	77 lbs	75 lbs	77 lbs	77 lbs	79 lbs	79 lbs	79 lbs	81 lbs
Approx. shipping weight	88 lbs	90 lbs	88 lbs	90 lbs	90 lbs	98 lbs	92 lbs	92 lbs	95 lbs
Cooling:									
Capacity / BTUH	9,200	11,800	9,200 / 8,900	11,800 / 11,400	9,200 / 8,900	11,800 / 11,400	9,000	9,000 / 8,700	11,500 /11,100
Amps	8.6	11.6	4.4 / 4.7	5.6 / 6.0	4.4 / 4.7	5.6 / 6.0	8.8	4.5 / 4.8	5.7 / 6.2
Watts	940	1,260	940 / 910	1,200 / 1,160	940 / 910	1,200 / 1,160	960	960 / 930	1,220 / 1,180
CFM	275	275	275	275	265	265	265	265	265
E.E.R.	9.8	9.4	9.8 / 9.8	9.8 / 9.8	9.8 / 9.8	9.8 / 9.8	9.4	9.4 / 9.4	9.4 / 9.4
Dehumidification - pts/hr	2.5	3.4	2.5	3.4	2.5	3.4	2.5	2.5	3.4
Electric Heat:									
Capacity / BTUH	n/a	n/a	n/a	n/a	11,000 / 9,000	11,000 / 9,000	3,900	11,000 / 9,000	11,000 / 9,000
Amps	n/a	n/a	n/a	n/a	15.0 / 14.0	15.0 / 14.0	11.0	15.0 / 14.0	15.0 / 14.0
Watts	n/a	n/a	n/a	n/a	3,500 / 2,900	3,500 / 2,900	1,150	3,500 / 2,900	3,500 / 2,900
Heat Pump: (Reverse cycle)									
Capacity / BTUH	n/a	n/a	n/a	n/a	n/a	n/a	8,500	8,500 / 8,200	11,000 / 10,700
Amps	n/a	n/a	n/a	n/a	n/a	n/a	7.7	4.0 / 4.2	5.2 / 5.6
Watts	n/a	n/a	n/a	n/a	n/a	n/a	860	860 / 830	1,195 / 1,160
C.O.P	n/a	n/a	n/a	n/a	n/a	n/a	2.9	2.9 / 2.9	2.7 / 2.7
Adjustable changeover thermostat	n/a	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes
Thermostatic drain valve	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes
Electrical Data:									
Circuit Breaker Size	5-15P	5-15P	6-15P	6-15P	6-20P	6-20P	5-15P	6-20P	6-20P
Plug type	Parallel	Parallel	Tandem	Tandem	Perpendicular	Perpendicular	Parallel	Perpendicular	Perpendicular
Power cord length	8.0' w/LCDI	8.0' w/LCDI	6.0' w/LCDI	6.0' w/LCDI	6.0' w/LCDI	6.0' w/LCDI	8.0' w/LCDI	6.0' w/LCDI	6.0' w/LCDI

Note: Units ship without the optional PBWS01A wall sleeve and require a solid-side sleeve for field installation. If installing into existing sleeves, call your Amana brand sales person for compatibility assessment or adapter kits. Damage caused by improper sleeves, or by use of improper grilles, is not covered by the product warranty.

Features: (all models)

Agency Approval	U.L (Underwriters Laboratory) listed; USA and Canada
Chassis Type	Slide-out for easy installation and service accessibility
Fan speeds:	2 speeds: High & Low
Energy Saver	Yes - (Cooling only - Auto fan operation)
Fan ONLY	Yes - High Speed
Exhaust CFM	30
Discharge air	Top discharge with 4-way adjustable air throw
Slide-out-filter	Top Pull-out Polypropylene - Permanent filter that is washable
Condensate drain spout	Yes - external drain spout on the PBWS01A optional wall sleeve

Optional Accessories:

PBWS01A	Insulated metal sleeve for installation of 26" Built-In Air Conditioners; solid side and solid bottom with weather board and stamped aluminum grille.
PBAGK01TB	Architectural grille kit for use with PBWS01A sleeve and 26" Built-In Air conditioners in beige.
PBAGK01SB	Architectural grille kit for use with PBWS01A sleeve and 26" Built-In Air conditioners in custom colors
PBWMFC01A	An insulated metal cover for use when PBWS01A is installed without 26" Built-In Air Conditioner
PBFAK01A	Sleeve adapter kit; converts Fedders BSAOOC & Friedrich WSC 27" wall sleeves for use with Amana 26" Built-In Air Conditioners

Dimensions:

	Height	Width	Depth
Chassis Dimensions:	15 5/8"	26.0"	16 7/8"
With chassis installed		Depth with chassis installed and room front cover attached = 21 7/8"	
Sleeve Cut-outs:	15 13/16"	26 3/16"	Maximum wall thickness = 16 3/8"

Plug Type:

15 Amps 125 Volts | 15 Amps 250 Volts | 20 Amps 250 Volts

1-Year Entire Unit Limited Warranty*
5-Year Sealed System Limited Warranty*

1-Year Entire Unit and 5-Year Sealed System Components. Goodman Company L.P. will repair or replace any factory defective part or sealed system leak caused by a defective part. See product warranty for complete details.

*Complete warranty details available from your local dealer or at www.amana-ptac.com

Call us at **800-647-2982** for complete details.

Heating & Air Conditioning Amana

www.amana-ptac.com

CB-TTW4 09-12

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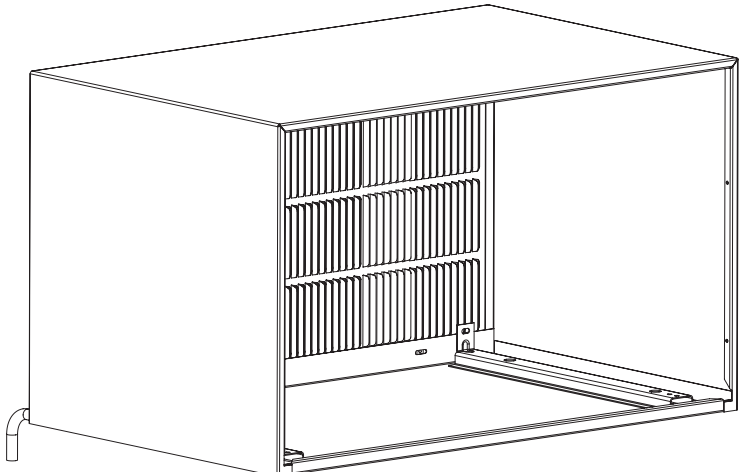
PBWS01A Wall Sleeve

Installation Instructions



General Information

The wall sleeve must be installed before the air conditioner chassis can be set in place. Read the instructions thoroughly before proceeding.

Table of Contents

General Information 1
Preinstallation Considerations 2
Wall Sleeve Installation 3
Condensate Drain Kit 3

RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.

ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

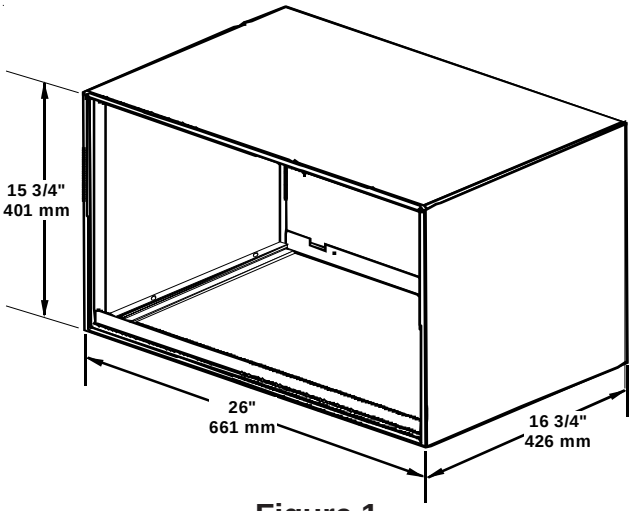


Figure 1
Wall Sleeve Dimensions

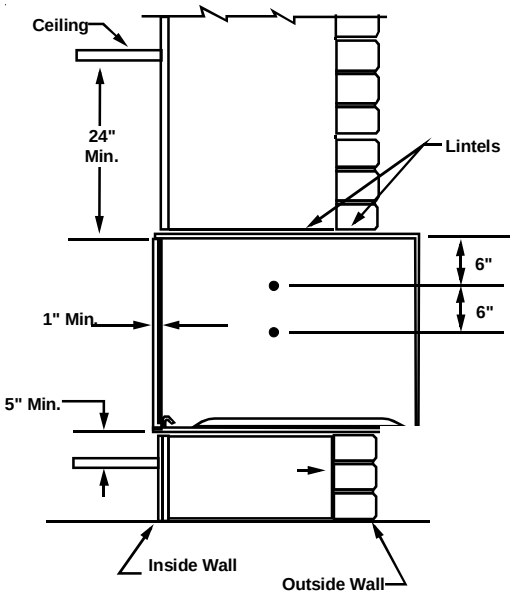


Figure 2
Minimum Unit Clearances

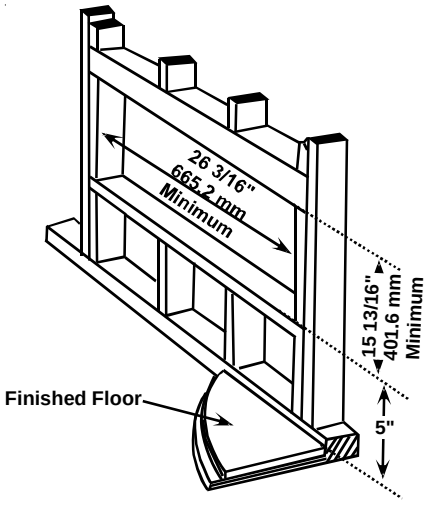


Figure 3
Minimum Wall Opening Dimensions

Preinstallation Considerations

Before proceeding with the sleeve installation, ensure the following guidelines for locating the wall opening and sleeve are met:

- The wall opening must be the correct size. See Figure 1 for wall sleeve dimensions and Figure 3 for minimum wall opening size.
- The wall sleeve must be installed with a 5" minimum clearance to the floor and 1 1/2" to adjacent walls. See Figure 2 for minimum projections of the sleeve into and out of the room.
- If installed in a concrete or masonry wall, a lintel must be provided in the wall opening for support. **Do not use the wall sleeve as a lintel.** If the wall is less than 8" thick or of hollow construction, an alternate means of support for the sleeve must be provided. See Figure 4 for a typical lintel construction.

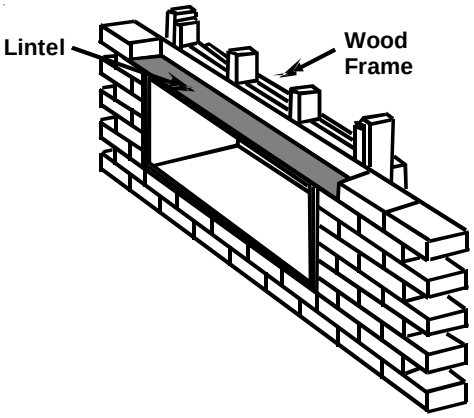


Figure 4
Framing with Lintel

- When installed in the opening, the wall sleeve must be level from side to side and sloped one quarter bubble front to back. DO NOT SLOPE THE WALL SLEEVE TOWARD THE ROOM. See Figure 5.

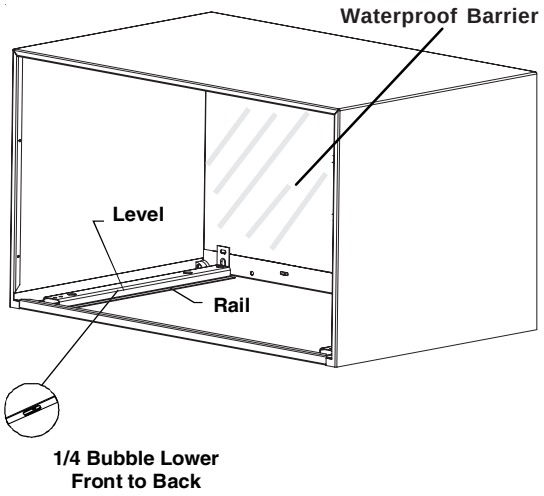


Figure 5
Sleeve Installation

Waterproof barrier should remain in place until the unit is installed. An accessory metal front panel, PBWMFC, is also available, but must be purchased separately.

- Attach the sleeve using four #12x2" wood screws (for wood constructed buildings) or four #12x2" masonry screws (for cement or brick constructed buildings) (Figure 6). Make sure the wall construction is adequate to support the unit.

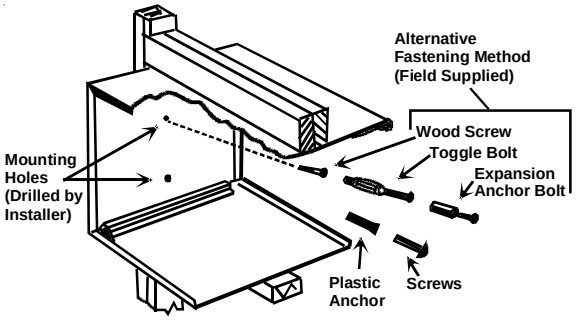


Figure 6
Attaching Wall Sleeve to Opening

- Provide adequate sealing and insulation around the sleeve after it is installed. See Figure 7 for one example of construction.

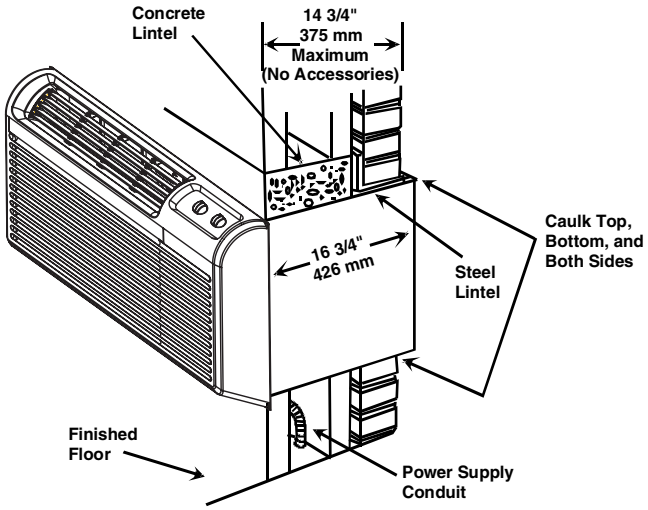


Figure 7
Block and Brick Veneer Installation

- Do not use extension cords with the unit.

Wall Sleeve Installation

After the wall opening is checked and approved for strength, location, size, and clearances, install the wall sleeve as follows:

1. Remove the outside enclosure panel from the wall sleeve.
2. Slide the wall sleeve into the wall opening. Do not distort the cabinet shape to fit the wall opening; the unit chassis must fit snugly and uniformly into the wall sleeve.
3. Locate the sleeve within the range of minimum projections, as shown in Figure 2, so both sides are at least the minimum projection from the wall.
4. Check the level of the wall sleeve. For proper drainage, the sleeve should be level from side to side and one-quarter bubble front to back (outside).
5. Drill two holes in both sides of the wall sleeve so mounting screws can be secured to wall supports. See Figure 6 for location of screw holes. DO NOT DRILL THROUGH BOTTOM OF SLEEVE.
6. Check the level of the wall sleeve and adjust if necessary.
7. Caulk or seal around the outside of the entire sleeve.
8. If the unit chassis is not to be installed immediately, replace the enclosure panel on the outside opening of the sleeve to limit weather damage to the building interior.
9. Recycle or dispose of packaging materials according to local codes.

Condensate Drain Kit

An outdoor condensate drain kit (Figure 8) is available on all models. An accessory drain kit, DK900D, is available for internal drain applications and must be purchased separately. The drain kit must be installed before installing the wall sleeve in the wall. See the drain kit for actual installation instructions.

Kit Ordering Number	Description
DK9001	Internal Condensate Drain Kit

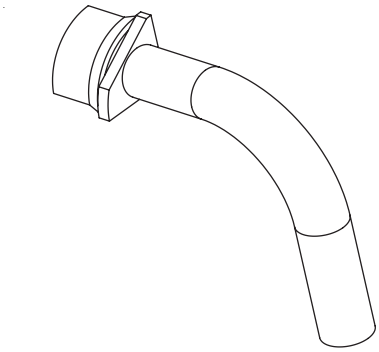


Figure 8
Condensate Drain Kit

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PBAGK01SB

AMANA

EXTRUDED ALUMINUM; 6063-T5; CLEAR

ANODIZED OR _____

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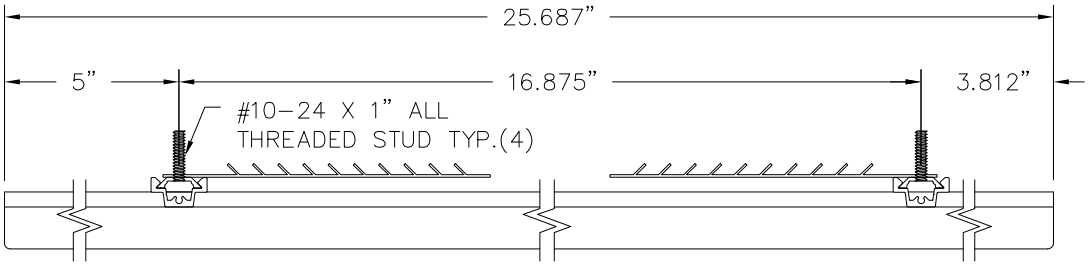

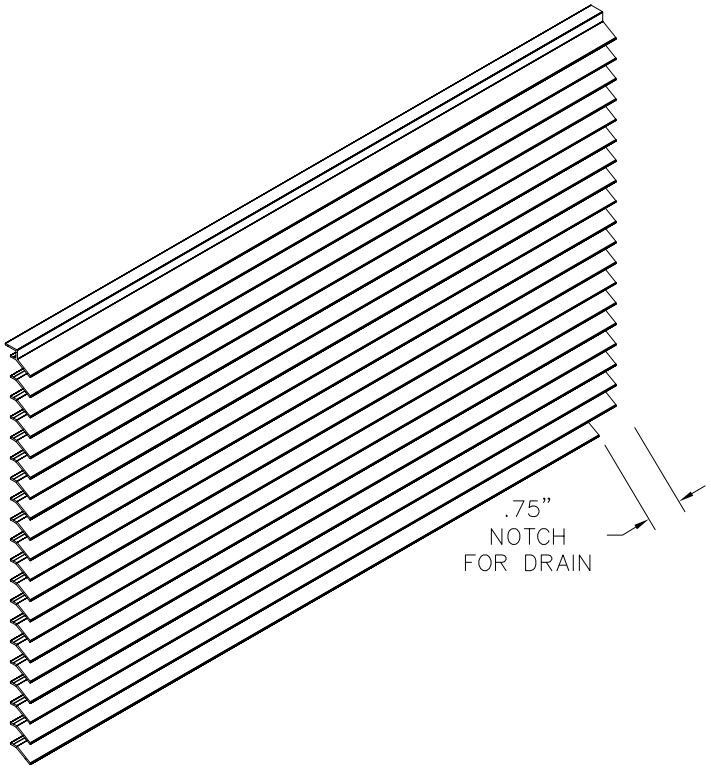

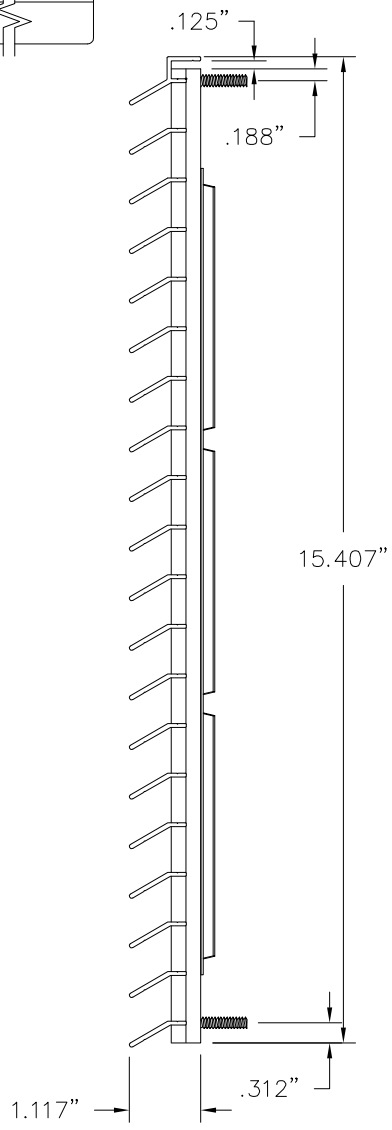

PROJECT:	**LOCATION:**
ARCH./ENGR.:	**CONTRACTOR:**
REPRESENTATIVE:	**DATE:**

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ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITH OUT NOTICE OR OBLIGATION.